R. M. Anderson.

Canadian Arctic Expedition Records.

Vol. VI.

Aug. 9th, 1915, to November 20th, 1915.

1915.

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Rudolph Martin Anderson.

The Geological Survey.
Ottawa, Canada.

1915.

Bernard Harbor, Dolphin & Union Strait,
N.W. Territory, Canada.

Aug. 9. (Mon.) Cloudy bright morning. Very light East or N.E. wind, about one mile per hour. Cloudy in the morning, with strong East wind all night.

Left the harbor at the station about 4:35 p.m., on gasoline schooner "North Star". On board: K.G. Chipman, J.H. Wilkins, Aarnout Castel, Jas. R. Crawford and myself. Crawford and Wilkins will take alternate shifts in the Engine room, and Castel, Chipman and I will stand deck watches.

Anchored about 6:20 p.m. on west side near tip of little stony point island a little East of the East end of Chantry Island. Ice heavy east from Chantry Island, but broad leads were opening up outside and the ice moving

Chantry Island to Coronation Gulf.

Aug. 10. (Tues.) Cloudy bright. Light East wind until about 11:00 a.m., when it hauled S North, and to Northwest in afternoon; very slight breeze.

Ice opened up around point and we got under way about 8:30 a.m. Strait open in middle, with some floating ice. Worked through some loose ice, shoving the large cakes around and kept on East in broad open lead.

Seals - several seen in smooth open water. One shot by myself when we stopped for a few minutes to fix engine, but it bubbled out air and sank in about two minutes, before we could get canoe over the side.

Reached end of open lead, quite a deep pocket, about opposite the middle of Lambert Island (south side) at 12:30 p.m., and as ice was solid ahead we had to run back around the west end of Lambert Island. Shoals and rocks extend some distance off

Aug. 10. (Tues.) shore to west of Lambert Island. (about 6 feet of water 400-500 yards offshore. We kept some distance outside of the rocks which were visible, and nearly struck a reef of sunken rocks some distance outside. Opposite East end of Lambert Island about 3:00 p.m. Several smaller islands and rocky reefs just East of Lambert Island. Considerable open water north of Lambert Island, with patches of loose ice. Found ice pretty thick off points of small, low, rocky islands and reefs East of Lambert Island, and had to run within 400-500 yards of island to escape inside the edge of the ice. Shoal, stony bottom - 7 ft - 6 - 5½ - 5 ft - bumped bottom six times without sticking, but got around the ice about 6:00 p.m. and headed for Douglas Island, finding little ice. We had previously swung north about 4:00 p.m. and

Lambert Island - Douglas Island.

Aug. 10 (Tues.) headed toward the Victoria Land side of the Strait, but struck a heavy mass of ice cakes and had to come back again and work close to the reefs off the East end of Lambert Island.

Passed East end of Douglas Island about 8:00 p.m. and ran south. Douglas Island is sharp, sheloing, at Eastern End, and sloping to NW. Lambert Island looks very barren - sandy or gravelly with many scattered boulders everywhere. Misty rain and fog about 8:30 p.m., no ice in sight; slight swell. Light NE wind.

Too dark and foggy to see anything as we ran south past Cape Krusenstern into Coronation Gulf.

Pacific Eiders - a few flocks of females going west or swimming in the water (near Lambert Island).

King Eiders - many flocks seen, some of them going west. Saw one male in a flock (very dark with white on wing-

Aug. 10. (Tues.)

Old squaws – a few flocks seen.

Pacific Loon – several seen.

Arctic Terns – about a dozen seen south of Lambert Island in the forenoon.

Glaucous Gulls – a few seen near Lambert Island.

Seals – Common Seals fairly numerous sticking their heads up out of the water. Some also seen on ice floes.

Bearded Seals – two or three seen in the water; also some that looked like Ugyuk on the ice near Lambert Island.

Coronation Gulf, N.W.T.

Aug. 16. (Wed.) Foggy all night. Fog cleared away about 7:00 a.m. Bright sunshine all forenoon and afternoon. Rather strong NE wind, white caps and swell, enough to cause slight sea-sickness.

Passed through Duke of York Archipelago about midnight, seeing no ice after getting out of Dolphin and Union Strait. Passed a group of three islands NE of Port Epworth Point and ran in to west side island in entrance of harbor, as we saw a stone cairn or beacon on top of the island. Found deep water all around the inside of the island. Saw Messrs. O'Neill and Cox's sleds (Nonce sled and boat sled) cached on rocks on south slope of island. 9:25 p.m. No bottom at five fathoms, 100 yards from shore and ran across to the mainland side of the narrow channel and started making a provision cache while Mr. Chipman.

Aug. 11. (Wed.) Cached under cliff at end of gully (west side), marked by two sticks set up in clefts of rock.

Flour, 1 gunny (100 lbs.).

Pemmican, Underwood, 1 case, 48 lbs.

Sugar, Cube. 2 boxes 94 lbs.

Rice, 1 sack 50 lbs.

Gasoline, 3 cases. 30 gals.

Distillate, 1 case. 10 gals.

Mr. Chipman found letter in "Tobold Tea" box at Cairn, as follows:

"Epworth Harbour, July 30th, 1915.

"Haven't been able to get away from this place until today. Last gale broke up the ice in the Gulf, which up to that time was solid right to shore.

"We are caching, on the south-west corner of this island,

2 boxes of specimens,

6 bales of dried fish.

1 home sled.

8 dog harness.

"There is a small cache beside

Port Epworth, Coronation Gulf

Aug. 11. (Wed.) ours belonging to Muffa which of course is not to be touched.

"Muffa and family with seven of our dogs is camped together with four other native families about five miles up the river at the first rapids - fishing. The river mouth is in the SE corner of the harbor following that high range of hills with conspicuous peak. A launch can get up the river easily to within at least one mile of the camp.

"If Dr. Anderson has not left other instructions please leave two balls of fish cached here for our return. If you take the dogs back on the "North Star", take the harness too, otherwise leave them; the specimens and the rest of the fish can be taken to Harbour.

"As far as we know the channel is on the East side of the harbor and there seems to be plenty of water for the

Aug. 11. (Wed.) "Star" at least, right up into the river. J. J. O'Neill.
" J. P. Cox.

We did not touch the cache, and leave all the fish here for our return. The "North Star" has more than enough dry fish and meat for dog-food for more than sixty days, all that he needs or asks for. The "North Star" will not take the specimens fair because it is very likely that she will not go into Bernard Harbor on the way back. If the ice is as thick on the south side of Dolphin and Union Strait as it was when we came out, Mr. Wilkins will follow the Victoria Island side round to Cape Kendall or Cape Barnicz as the channel appears to be more open on the north side of the Strait.

Archic Hare. — Saw two on rocks as we landed. Shot one in gray pelage.

	L.	T.	W.	
*10. ♂ Archic Hare.	620	56	160	mm.

Port Epworth, Coronation Gulf.

Aug. 11 (Wed.) Arctic Hare— When wounded with rifle bullet, the Hare crawled into a crevice under rocks and we had a hard time getting him out, as we could barely touch him from either end of the hole. He kicked powerfully when I finally dragged him out.

Spermophiles—(Citellus parryi) Saw two on rocky top of hill.

Fire-weed, brilliant, reddish purple flower in bloom, among the rocks in Cattle Gully when we made cache.

Got under way again 11:45 a.m. going out through channel at East end of island. O'Neill and Cox did not leave here until July 30th, later than we had anticipated and we have some doubts whether they have got as far as Cape Barrow yet. It depends a good deal on how the local weather has been.

Bucked against head sea all afternoon. Passed another apparent island

about 3:00 p.m., and saw a beacon or cairn near east tip. The coast was not favorable for making a landing, and if the cairn was made by our men they have probably gone ahead as this is not more than fifteen miles from Port Epworth. We are cruising close enough to the shore to watch for signs of camps or beacons. Came up to Hepburn Island at 7:00 p.m. (steep, precipitous basalt; over horizontal strata. Passed through Channel between island and mainland. Saw a pole set up near point, but sea was too rough to land. Kept slightly curving course around Gray's Bay whose shores appeared to be lower than the coast west. Anchored in a little sheltered bay in a red granite island. East side of Gray's Bay, about 10:30 p.m. as it was getting too dark to see either shores or sea bottom very well.

Gray's Bay, Coronation Gulf.

Aug. 11. (Wed.). The narrow little rock bight where we stopped was deep enough so that we could run up near the beach and tie up with lines to the shore. Quite a little nest of driftwood in the little Cove.

Arctic Hare - Castel shot one on rocks, from the ship, about 11:00 p.m.

Glaucous gulls - a few seen.

Herring Gulls - .. .. ..

Pacific Loons - a few seen flying to day

Gray's Bay - Inman Harbor - Cape Barrow.

Aug. 12. (Thurs.) Clear at 3:00 a.m. Bright sunshine. Fairly strong ENE wind. Got under way 3:15 a.m. up the coast to NE. Very many small granite islands near coast.

Entered Inman Harbor 5:45 a.m. and ran about halfway (apparently down it to south. Very dark and narrow channel. Many narrow green gullies on sides, with bright green masses of small willows (?). Saw no signs of people, and kept on up the coast.

The sea was running pretty heavy from NE as we came up to Cape Barrow, and we were on the point of swinging around to keep in the lee of the land, as it looked risky to keep on the weather side of the rocky shore, with danger of motor stopping at a critical time, when I saw a small cairn with pole on top of a steep rocky island. There was no harbor here

Cape Barrow. N.W.T.

Aug. 12. (Thurs.) and no anchorage—, as the island ran off in a point on lee side, so we slowly steamed up to lee point, and came made a landing. Note at cairn:

"Cape Barrow. Aug. 3. 1915.

"Reached here last night and we camped in a little bay on East side of Point, about 1 mile from this island.

J.K. Cox.

J.J. O'Neill"

Steamed about half a mile East of the island, but prospects of a harbor did not look good, particularly when we struck the heavy breaking swell after rounding point, so we swung around and ran back about ½ mile South behind the cairn island into a deep little, almost land-locked harbor, where we ran our bow up against a little sand beach in a bight, perfectly sheltered.

Mr. Chipman walked up over the granite hills, or rather small, rugged mountains, across the point to find Cox and O'Neill

Aug. 12 (Thurs.) camp, while we prepared to make a cache of provisions and gasoline at this point. (Height of hills 340 ft. by aneroid K. J. Chipman).

Mr. Chipman came back with Messrs. Cox and O'Neill and Billy Natkusiak. They left their camp standing where they had their tent pitched. Billy packed his blankets and stuff over, as he goes back on the "North Star". O'Neill and Cox say that Billy has helped them very much, and did not want to go back to Banks Island, preferring to stay with the Southern Party, but of course we could not consider keeping him under the circumstances under which Wilkins came here.

Mr. Wilkins turned over his supply list, issued to the "North Star", which we have been making up lighter.

Wrote note to Mr. Stefansson and one to Capt. Sweeney at Wilkins request.

Cape Barrow, Coronation Gulf.

Aug. 12. (Thurs.) The "North Star" sailed for Herschel Island at 3:45 pm. On board were Jas. H. Wellman, Raymond Castel, Jas. P. Crawford and Billy Nettuniak.

Left here are K. G. Chipman, J. R. Cox, J. J. O'Neill and myself, with the gasoline launch, which we have named the "Wild Bill" from its erratic disposition, the Peterboro canoe and the outfit and equipment at the older Camp.

Photo 3A.

181. #1 "North Star" in harbor. Cape Barrow 8 - 1/50 - Dull Sun. 3:00 p.m.

182. #2. do.

183 #3. do Near view

184. #4. "North Star" going out of Cape Barrow Harbor. do.

185. #5. do

186. #6. do

Kut. Pocket Kodak

187. #1. "North Star." Cape Barrow Harbor. 11 1/52.

188. #2 do.

Aug. 12. (Thurs.) 189. #3. "North Star." Cape Barrow. 3:45 p.m.
190. #4. do. Overcast
191. #5. "

King Eiders – saw a few pairs of females flying (Gray's Bay).

Glaucous Gulls – two or three seen near Cape Barrow.

Raven – one alighted on rocks about one hundred yards from the schooner in morning (Gray's Bay).

Rock Ptarmigan – Chipman saw one while crossing granite hills.

Yellow-billed Loon – one in harbor.

Cloudy in evening. Brisk shower during night. Stormy Easterly wind: gusty.

Cox and O'Neill returned to their camp on the other side of the pond in the Evening.

Cox and O'Neill left Port Epworth, with Billy Kattenat, in canoe on July 30th, and made pretty straight

Cape Barrow. Coronation Gulf.

Aug. 12. (Thurs.). course — to a point at East end of Gray's Bay. The next run, Aug. 13, they had to run out to Hepburn Island and had some trouble going through young ice in the bay. Running near the point this side of the bay. On Aug. 2nd they reached Cape Barrow, but had been unable to go further on account of heavy weather. The motor had run well, making 5 or 6 miles per hour with Evinrude motor, loaded. It also handled well in rather heavy seas.

Seals — Billy had shot two or three seals and prepared the skins by stretching and drying; also cached a pot of seal oil and fish at Cape Barrow.

We have plenty of provisions here now for the summer — and fall, enough to take us home if we get frozen in and have to go home by sled. The rest of the caches we leave —

Aug. 12. (Thurs.) here permanently will depend to some extent on how much surplus we get from meat shot

Cox and O'Neill have three best dogs – Denby, Buster, and Harpur, which they have used for packing. Pack-saddles and harness also for the three. We brought about 50 lbs. of dry Caribou meat with us, and Cox and O'Neill have about 100 lbs. of dry fish, but have been using seal meat for their dogs most of the time.

Cape Barrow. Coronation Gulf.

Aug. 13. (Fri.). Cloudy 7:00 a.m. Stormy, gusty east winds +45° at 12:00 m. +39° at 10 p.m.

Pacific (or Black-throated) loons. - Chipman saw a pair on little lake up on the hill near camp - in morning

Crossed the mountains, up some precipitous granite hills and down a narrow little stream gully to Cox and Hall's camp. A small stream, bright and sparkling, narrow enough to step across in most places. The hill tops are very rough and barren except for lichens, and heather in little shelves. Occasional narrow gullies, often deep, and level from side to side, usually damp, with green grass and moss growing profusely in them. Passed one large lake in the hills, about 1 mile long and about 600 yards wide

Pacific loons - saw a pair on the long lake.

Aug. 13. (Fri.)

Pipit (Anthus rubescens). Shot a female in the tundra-bottomed gully at head of creek leading down (to East) from long lake, the only small bird seen today. ♯504. ♀.

Raven - One sitting on rocks of creek bed, eight feet from tent with mein inside and dogs lying close by. Cox and O'Neill said that he had been very tame for some days.

Rock Ptarmigan - Billy saw a female with small young (about fifteen he thought), just hatched, about Aug. 5th.

Mr. Cox has seen only Ravens, Eiders, and a few very small birds - (Pipits?)

Spermophile - saw one in little tundra basin near top of bluff. O'Neill picked up a specimen & thinks they smaller than eastern specimens and apparently more reddish.

Cape Barrow, N.W.T.

Aug. 13. (Fri.) Arctic Hares – Ca and O'Neill saw four or five coming home last night after dark (about 11:00 p.m.) We saw three enroute over the hills about dark tonight. Too dark to shoot well after 10:00 p.m.

Mosquitoes – a few out in the evening but very light in evening. Came back to camp 9:20 to 10:35 p.m. going across.

The granite hills around Cape Barrow are very rugged and steep but can be climbed in most places. Tops of all hills rounded; barren except for lichens on rocks. Occasional small tufts of grass in crevices.

Numerous irregular basin lakes, usually filled nearly to brim and often spilling over into another lake at a lower level. A few little patches of snow, or rather ice, in sheltered spots of hills, none of them over 3 or 4 feet across.

Aug. 13 (Fri.). Valleys narrow and wet, filled with green grass, soft moss, "Nigger heads" or "Têtes de femmes", cotton grass tufts. Flowering plants scarce in these damp gullies. Heather ~~scarcer~~ very abundant on dryer spots.

Collected specimens of all the plants in bloom at camp in the morning.

Heather – a few blossoms still hanging on (white).

Fireweed – blossoms purplish.

Common –

Yellow Marygold – a few.

Large white petalled flower (yellow center), common at Bernard Harbor. (Androsace ?)

Little pink flowers in dense thick round clumps, roots, bright green leaves scattered here and there.

Large yellow green flower common.

Small blue flower?

Bear berry.

Willow sp.

Cape Barrow, Coronation Gulf.

Aug. 13. (Fri.)

Cf. "Narrative of a Journey to the Shores of the Polar Sea in the Years 1819-20-21-22." by John Franklin. (London. J. M. Dent and Sons Ltd New York. E. P. Dutton & Co.). Everyman's Library. p. 325-

"The land around Cape Barrow, and to Detention Harbour, consists of steep craggy mountains of granite, rising so abruptly from the water's edge, as to admit few landing-places even for a canoe. The higher parts attain an elevation of fourteen or fifteen hundred feet; and the whole is entirely destitute of vegetation."

Aug. 14 (Sat.) Cloudy 7:30 a.m. Sunshine 8:00 a.m. Light breeze. Tide lower than last night. It was lower at 11:00 p.m. last night than at any other time during our stay. +53 at 7:30 a.m. +55° at 12:00 m. +64° (minimum) at 6:30 p.m.

Pipits — saw two on rocks near tent; and some more in afternoon.

Lapland Longspurs — Several near tent. Shot two.

513. ♀ Calcarius l. lapponicus juv.

514. ♀ " " " adult

Sand Pipers — Saw one on rocks and shot it. Juvenal plumage; gray but with tinges in fall adult plumage.

*515. Pisobia maculata. juv.

Raven — one came near tents, very tame; nearly hopping sideways when I approached.

Aug. 15 (Sun.) *8. Raven, at 25 ft. 8-45 — 3:00 p.m.

*9. do. at 50 ft.

Cox and O'Neill came back around the point with umiak, bringing

Cape Barrow, Coronation Gulf.

Aug. 14. (Sat.) all their camp gear. Sea rather rough parallel with the coast.

Arctic Hares — Chipman went up to SW end of harbor to take picture about 9:00 p.m. and shot a pair of Arctic hare ♂ and ♀, with 12-ga. shotgun.

*511. ♀ Lepus arcticus canus. Very dark, grayish back, with narrow white area along posterior portion of body 678-63-157

*512. ♂ do. Lighter gray color, with white mottlings — 660-60-156.

Mosquitoes pretty thick all day.

Wind hauled from E. to S about 6:00 p.m., then to North (very light). South about 9:30 p.m. Very warm on hill top in evening.

+44° at sea level in harbor at 9:30 p.m.
+62° on hill top in wind at 9:30 p.m.

Cape Barrow. Coronation Gulf.

Aug. 15 (Sun.): Cloudy at 6:00 a.m. Dull sunshine at 8:00 a.m. Strong South (true) wind at 5:30 a.m. Mr. Cox estimated 40 miles per hour. +65° at 8:00 a.m. (in shade).

Arctic Hare — Mr Cox shot one with shot gun about 6:00 a.m. Very light color, almost white, with hair mingled with grayish

	L.	T.	N.A
*56. ♀ Arctic Hare	670	63	160 mm.

Wind S. until 10:00 a.m., then calm, then South, hauling to North about 11:00 a.m. then NE, and back to North about 11:30 a.m. +65° in shade at noon. +66° at 4:00 pm. Smoke haze and smell in air, as if there is a tundra fire to the South.

Pacific Loon — one in pond.
Lapland Longspur — a few on hill.
Glaucous Gull — one seen.
Raven — one seen.
Seal — one large Seal came up near boat.

Wind SW and W. in afternoon.

Cape Barrow. Coronation Gulf.

Aug. 15. (Sun A.)

Chipman, O'Neill and I started out at 12:35 p.m., with launch to go outside point to see how sea was running. Ran beyond islands in 20 minutes and turned around 12:55 p.m. Launch soon stopped dead and it took 1 hr. 25 min to get a kick out of it. Drifted nearly down to Cox and O'Neill's camp. Finally started up again and came home with only two more stops. Very hazy on account of smoke in the air. Breeze freshened up about 4:00 p.m. just as we were making ready to start out, and we delayed breaking camp, fortunately as there was quite a gale in the evening.

There are some sunken rocks about half a mile off shore, barely awash, and shooting up columns of spray when sea is running.

Cape Barrow to Detention Harbour.

Aug. 16. (Mon.). Hazy sun and almost calm at 7:00 a.m. Very light NE breez. Latter + 42° at 7:00 a.m.

Raven - very near camp in the morning

192. V.P. #6. Raven at 25 yds. ½.

193. #7. do. near portrait

194. #8. do.

Left Cape Barrow harbor 10:10 a.m. Light NE wind. Landed at Cox and O'Neill's old camp 10:40 a.m. O'Neill and I were in wrack, and cut across little bays. Cox and Clapman in launch followed coast more closely to take Compass bearings. Landed at old camp to pick up Seal-poke, had it had apparently been carried off by high tide. Passed high conical hill landmark Easterly thru camp. Fine little grassy inlet ca. ½ mile South.

Seals - saw two.

Black throated loon - one seen.

Fog rend ½ miles at 12:10 p.m.

Detention Harbour, Coronation Gulf.

Aug. 16 (Mon.)

Stopped about 12:30 to fill gasoline tank on inside of large island which nearly fills entrance to the harbor.

Passed around the inside of the big island (Detention Harbour). Deep channel — no bottom at four fathoms. Ran across bay about a mile wide, against freshening breeze, to east side of harbor, shipping some water over the sides en route. Stopped on east side, water shoal, bottom muddy with numerous stones.

Semipalmated Plovers — saw two young birds on beach, and shot both, nearly full-fledged.

*517. ♀ Ægialitis semipalmata. Juv.

*518. ♂ " " "

Spermophile — Saw on hillcrest; numerous burrows in edge of bank. Earth. Willows here about two feet high. Also black huck bushes. Several species of flowers in bloom.

White daisy-like flower.

Detention Harbour, Coronation Gulf.

Aug. 16. (Mon.). Daisy? (pinkish-fringed petals.
Small yellow buttercup
Fireweed -
Yellow pea ?
Blue pea ?

Started out again about 2:00 p.m., after launch engine was fixed, and ran through narrow channel east of Detention Harbour Island: Channel deep except at one narrow point near exit (about 100 yards wide and only one fathom of water. Bottom mud, sand, and gravel with numerous stones and boulders.

Old squaws - Ran into a flock of about fifteen near narrow, shoal part of channel. They tried to escape by diving, but I shot one female with lovely quills with only a little tuft at end of each feather.

#519. ♀ Harelda hiemalis (moulting).

Ravens - saw these flying along coast.

Detention Harbour – Galena Point.

Aug. 16. (Mon).

Glaucous Gulls – two or three seen. Yellow-billed Loons – saw two near end of harbor.

Examined two little harbor coves in the rocky coast west of Galena Point, and found a few bits of driftwood but no water. The next cove, the last before reaching point, had a tiny creek and more driftwood, one good-sized log. The launch ran out beyond the point, but struck a heavy sea and swell and put back. Camped a little after 3:00 p.m.

Mr. O'Neill went over to Galena Point and found some small veins of galena in cracks in the granite. There is a portage of about 1½ miles across the point, from corner of Detention Harbour bay, across several large lakes, to the East side of Galena Point. Country more grassy behind point. This was portaged by Sir John Franklin's canoes in 1821.

Hills along coast composed of

Aug. 16. (Mon.) very friable granite, weathering into sharp granules, which in places may be crumbled off with the hands.

Wind lowered towards evening. A short, sprinkling shower of rain about 5:00 p.m. + 52° at 6:00 p.m. + 56° at 8:15 p.m. Foggy after 6:00 p.m. Air smoky. Mid light SSW on hill top 9:30 p.m.

Mosquitoes - pretty thick in evening; also Black Flies, the latter worse than mosquitoes, as they bite very quickly after alighting, and are not so easily scared off. Whenever the Black Flies bite me, they raise round, red, itching pimples, which mosquitoes seldom do; possibly because I am more thoroughly inoculated to mosquito poison.

Galena Point, Coronation Gulf.

Aug. 17. (Tues.)

Clear sunshine in forenoon — Wind started up fresh, shortly after midnight, and about 2:00 a.m. the umiak began to bump against the rocks, dragging the stone anchor with onshore wind. As there is a small rock island about 150 yards outside of the cove we had thought it unnecessary to unload, as we were apparently so well sheltered. All hands got out, unloaded the umiak and hauled her up on dry land. Then the launch started to drag anchor Clipperton and Cox went out in the Peterboro and ran launch under lee of the little granite island.

+42° at 11:00 a.m. Wind blowing a gale from E. all day. Sunshine all afternoon. Wind lowered about 6:30 p.m.

Skinned my specimens, then went up on hills. Found a small vein of Galena near O'Neill's cairn, cutting about N. and S. through the granite.

Aug. 17. (Tues.) Many grassy valleys and lakes. A little snow in lumps here and there among the hills. Galena Point is fringed by a circle of small granite islands — barren rocks.

Two good little boat-harbors, one nearly land-locked just around the point, and another about one mile farther on.

Lapland Longspur — saw three single birds in tundra valleys.

Spermophiles — saw a few holes. Heard one chatter. Chipmunk saw one.

Ravens — two about camp all day, hopping around cache, stealing from dogs, etc. They often approached within twelve feet. Took four photos, but they became more suspicious than before, as soon as I had camera in hand and began focussing on them.

N.A. #1. Ravens. ca. 20 ft. 11-1/50-B5.6 1/25
337. #2-3-4- do from 12 to 25 ft.

Galena Point, Coronation Gulf.

Aug. 17. (Tues.) Semipalmated Plovers – saw a pair of young birds on beach, and shot one female. #320. Æ. semipalmata.

Barren Ground Bear – saw old tracks (very old) of a small Bear in clay along bed of creek.

Found a few pieces of cut sticks (driftwood) on beach, and some pieces of old bone and wooden implements –

Galena Point to Moore Bay, N.W.T.

Aug. 18. (Wed.) Sun showed at 4:30 a.m. Got up. Sky soon clouded up. Calm weather, bay glassy smooth.

Parens & two men camp. light southerly breeze.

Started 7:37 a.m., and ran around the point north of the islands. Sun shining through cirro cumulus clouds. Landed 8:40 a.m. on low island about a mile off shore. Stratified dolomite on island. Strike N 45° W, dip ca. 15° to SE. Glacial striae W. magnetic, 2 sets of striae. Started up again 9:00 a.m., with breeze freshening from south. The launch had by this time gone ahead and landed on a high rocky point of mainland, West end of Moore Bay. We landed here 9:15 a.m. A dike of basalt cuts the granite here.

Vest Pocket Kodak. #1.

(347) Basalt dike. West end Moore Bay.
16 - 1/50 - Dull sun. 9:30 a.m.

Moore Bay Coronation Gulf.

Aug. 18. (Wed.)

V.P. 348. #2. Dolomite between basalt and granite. Wave ripples on sand. 11 - 1/50 - D.S. 9:30 a.m.

349. #3. Granite Hills to NE (Moore Bay)
Glaucous Gulls - four seen.
Pacific Loons - twelve flying N.
Eiders - two female going with
Red-squaws - sailed through a
bunch of moulting but they all
dived on all sides of us, and
came up scattered far out; stuck
up their heads to dive again at
once.

O'Neill went inland to trace rock formation, and found a layer of dolomite about one thousand feet wide between granite and basalt.
Splenophils - Clipman shot one,
Wolf - Clipman found a large Canadian
Lapland Longspurs - one secured.
Seal - one came up two or three
times within 50 yards, while I was
boiling tea. I finally shot him

Aug. 18. (Wed.) through the head. Cox and Chipman put out in canoe at once, but the harpoon head broke off at the thwart and the seal sank, leaving a large smear of blood and oil on the surface of the water.

Rough-legged Hawk - one soaring

Started 12.50 p.m. Ran straight across bay to next point which we rounded at ——. Course thence SW. Stopped at 1.25 to examine rock cliff. Large snow bank on south side. Scree formed in broken talus at base of cliff - diabase, pyroxenite, and copper pyrite. Much green stain.

Yellow-billed Loons - one pair.

Started again 1.35 p.m. and ran down to bottom of this bay. Shoal, muddy sand bottom near coast. Land low near beach, gradually rising; in flat terraces. Exposure of decomposed crumbly diabase about 800 yds from coast — diabase on

Moore Bay, Coronation Gulf.

Aug. 16 (Wed.)

top shows "bun formation", iron oxide reticulations forming shapes like buns. Did not see the "soft slate clay cliff" which Franklin says skirts the eastern border of Moore Bay. A hill of dolomite, with brecciated face, about 300 yards back; granite hills behind (bottom of Moore Bay). Mosquitoes thick on shore, as it was calm for a bit. Land near coast, sandy, gravelly, and grassy.

Started 2.20 and crossed bay with mast, the launch going around. Wind freshened a bit from NE. Reached island (about 60 ft. high) near east end of this small bay 2.55 p.m. Fine-grained trap rock and lava. Numerous green copper stains, copper carbonate, azurite (peacock copper), malachite, epidote. Island cut by dike. Amygdaloid at top, but no native copper seen.

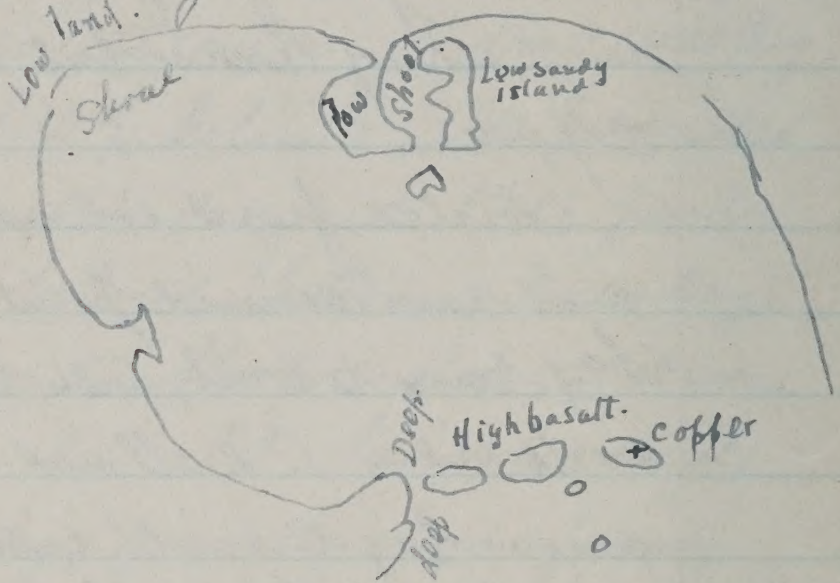
Aug. 18. (Wed.) Glaucous Gull – one hovering over island. Old nest near south end, near tip, among rocks.

Many bright green copper stains in cracks of rocks but no native copper.

Started from island 3:30 p.m. and ran around point. Coast of bay runs to west, with bay island on north side. O'Neill and I started across bay to south side 4:25 p.m. but struck rather heavy cross sea and we decided to steady around a bit and make for innermost of three basalt islands ahead. Chipman and Cox had started to follow the coast around in the launch, with instructions to verify the granite appearance of bottom of bay. We had some trouble with Evinrude on launch and stopped several times. Landed about 5:30 on island. Fine-grained massive dolerite

Moore Bay, Coronation Gulf.

Aug. 18. (Wed.) about 150 ft high. Climbed up to top of island. We could not see the launch, but got a fine bird's eye view of the bay behind the islands



Going down from top of island O'Neill found a narrow vein of white (Zeolite?) about ½ inch thick with lumps of metallic copper here and there in top of vein, also numerous bright verdegris green stains, and a few flakes of green copper.

Left island about 6:00 p.m. and headed (boat) east across bay (ca. 1½ miles)

Yellow billed loon - saw several, and wounded, one but did not catch it.

Aug. 18 (Wed.) Fish - Saw Salmon Trout in shoals also a large Flounder -

Red-breasted Mergansers - Ran into a flock of about a dozen near bottom of bay near island - They would not fly and all Escaped by diving.

Black-throated Loon - Several seen.

Semipalmated? Sandpiper one seen on small sandy island.

Glaucous Gulls - saw a pair sitting for a long time on a small basalt island near copper island.

O'Neill and I ran into Channel behind low sandy islands in bottom of bay but found water too shoal for launch. Went up on beach and found quite a bit of Good driftwood and just several sticks on the ice.

Wolf - saw a very large pale yellow wolf walking and trotting along the beach, nosing the kelp piles. We headed the boat across towards him but grounded on

Moore Bay, Coronation Gulf.

Aug. 18 (Wed.). shoal about 300 yards off shore. Bottom hard sand, with ripple marks on bottom. Tried a long shot at wolf, but missed, and the wolf loped away over the hills. No fresh water near coast around this bay, neither streams nor lakes. Found one brackish pool on point. Several Eskimo stone tent rings.

Cox and O'Neill rounded the bay and found it very different from chart. The peninsula near island where we landed (at 2.55 p.m.) is nearly cut off. Several islands near bottom and mouth of a large red river with two mouths. Granite hills 300, or more, feet high back (west) of this bay. They thought they could see two Eskimo tents in the river, two or three miles back, about where the first rapids would naturally be. Met Cox and Clapman again at steep point near end of channel

Moore Bay, Coronation Gulf.

Aug. 18 (Wed.). three large islands about 7:30 p.m. As there was no good harbor and camping place, and sky looked threatening, we decided to go ahead. Very narrow, deep channel between point and nearest island, with steep, precipitous cliffs on either side. Rounded three or four small points, with shallow, rounded bays between them (no harbors), and finally found a little boat harbor about 9:30 p.m., and camped. Rather dark at 10:00 p.m.

Bearded Seal - shot three times at one which came up near boat. He would dive forward, arching back out of water at each shot.

Calm after 7:00 p.m. Dark nimbus in South. +50° at 10:00 p.m.

Moore Bay. Coronation Gulf.

Aug. 19. (Thurs.) Cloudy at 7:00 a.m. Strong NWest wind and heavy sea rolling in, but our boats are sheltered behind a little stony bar. +54° at 8:00 a.m.

Pipits (Anthus rubescens). Several on rocks on beach near camp in the morning. Shot one. #5 1/2 S.

Wolverine — Heard the dogs give some short, whining yelps in the middle of forenoon. Ran out of the tent, and saw what I thought was a small Brown Bear coming over a rock ridge across the harbor — about 280 yards away. He would advance by a series of short lots, stopping to look at Camp. Took one shot at about 250 yards with Mannlicher, and the animal turned and scampered over a little rock ridge. O'Neill ran to one end of ridge, and I to the other to head him off, but he had dropped dead after running

Moore Bay, Coronation Gulf.

Aug. 14. (Thurs.) about fifty yards with a bullet through center of body.

#524 ♂ Gulo fuscus. 1130 mm. – 2 05 mm. – 186 mm.

Weight about 35 lbs. Hair rather thin. Tawny yellow on shoulders, reddish brown on small of back, and black on rump.

Musk ox – old droppings near camp.

Rock Ptarmigan – Chipman saw three up on hills. Shot two males full, rich summer plumage. Crop full of leaves of willow, boiled peas, Empetrum, Juniper, and small seeds.

#522. ♂ Lagopus rupestris rupestris ad.

#523 ♂ " " " "

Arctic Hare – Mr. Cox shot a dark-pelaged Hare.

Rained all evening pretty hard.

Moore Bay - Water Point, Coronation Gulf.

Aug. 20. (Fri.)

Cloudy in early morning. Light NW. breeze. Sea calmer. +42°.

Pipits - several near camp.

Glaucous Gulls - several flying.

Pacific Loons flying over.

Very light Southerly breeze at 9:30 a.m. Started out 9:30 a.m. the launch with Cox and Clapman a little ahead - with launch and ran down into deep bay around the next point. We had some trouble starting the Evinrude motor.

Duck Hawk (Falco peregrinus anatum) - one seen over cliffs.

Herring Gull - a rookery of about fifteen pairs nesting on niches in face of 100 ft cliff, at about the middle, on SE side. Sides of the basalt cliff whitened by Gull droppings. We could see no young Gulls on the ledges and none flying, although the Gulls made a great tumult. Shot two ♀ 525. & Larus argentatus. ♂ 526. ♀ is

Kater Point, Coronation Gulf.

Aug. 20. (Fri.)

Old squaws — ran into a large flock, mostly unable to fly, although some would fly a few yards. They dived so expertly that I could shoot none of them.

Landed on point near south tip of bay. Motor refused to start again.

Eskimo found a tinder stick, with round hole burnt into it by friction with bow drill (probably).

Lapland Longspurs — saw one or two.

Rain pretty continuous — all forenoon and in evening. Foggy.

Launch towed the whaleboat two or three miles down coast, into a long, narrow, very deep fjord on west side of Kater Point. Very high diabase cliffs on either side. Low portage with a small lake in the middle (about 200 yds. across portage), leading to N.W. end of Arctic Sound.

Eskimo camp sites on both ends of portage — not very old.

Water Point, Coronation Gulf.

Aug. 20. (Fri.) Old, sticky seal oil on rocks, heaps of Caribou-skins, and many pieces of chipped half-worked artifacts; adz handle; little piles of heather and Crow-berry (Empetrum nigrum) shells; and some cut pieces of willow still green. Many Spermophile skulls and a few Seal bones among Camp debris, stone tent rings, and sod-blackened stone fire-places.

Went up on hills to southward and found a fine little boat harbor just across portage - shelter from all winds. Two or three large bays extend into the east side of Arctic Sound. A group of rather small islands two or three miles off shore, about East.

Arctic Hare - saw one dark phase specimen across the broken diabase ridge.

Glaucous Gulls - a few seen.

Caribou droppings numerous, and numerous bones and pieces of antlers around the camp sites. Some droppings

Aug. 20. (Fri.) looked as if they might be Muskox. Nearly Calm at 3:00 p.m. When we went upon the hills it was blowing rather briskly from WSW and by the time we came down it was quite a gale and we had to shift the launch to the other side of the harbor. Not very much wood here except the few scraps left by Eskimos, and we had some difficulty drying our clothes which were pretty well soaked today. Chipman went up on the high hill to NE of harbor and could see a narrow channel through between the ~~tip~~ point and the large islands ~~outside~~ E of us. Cliffs are diabase, with some quartz crystals, amethyst, copper stain, &c., at base. No native copper. Valley slopes between cliffs covered with small, loose, lichen covered stones, broken up. Formed Mushrooms near pond. Also a Cocoon stuck to a Barren rock.

Kater Point, Coronation Gulf.

Aug. 21. (Sat.)

Cloudy at 9:00 a.m. Westerly gale. Sprinkles of rain, intermingled with slight flurries of snow, alternating with sunshine towards noon. + 34° at 10:00 a.m. + 36° at 12:00 m. Mr. Chipman got meridian altitude of sun. Lat. 67° 46'.

Picked up some wood and coal for fuel from beach and mounds. Camp sites, all tiny pieces. Added some green willow and Empetrum &c. The latter (Cranberry stems) burn well. Two Eskimo fish-poles, or rather handles for hand-lines, found, one of spruce, straight, about 15 in. long, 1 in. wide. 3/8" thick; deeply notched at each end. One end had a triangular piece mortised in [illegible] with some black cement, probably Seal's blood, the same method used in splicing arrow shafts. The other stick was of willow, slightly curved like a bow, ends notched similarly

Water Point, Coronation Gulf.

Aug. 21. (Sat.)

Duck Hawk — one flying over.

Pipits — a few around camp.

Glaucous Gulls — one pair soaring around cliff face east of us.

Some black birch and shelves at foot of cliffs; also a few low willows in similarly sheltered places, some up to one inch in diameter, but low-lying and very gnarled and crooked.

Scarcely any flowers left in bloom. Occasional Potentilla (small, bright fruit) bunches in the center of a thick pad of bright green leaves. Frequent common bud petals have fallen.

Water Point, Coronation Gulf.

Aug. 22. (Sun.). Cloudy day. Dull sunshine at intervals during day, alternating with rain and sleet squalls during the forenoon.

+ 38° at about 4:00 o'clock (maximum)

+ 36° in evening.

Wind up on hills to southward & look at the country in the afternoon. Crossed several low ranges of stony hills. Broad, grassy valleys and numerous small lakes. Saw only a few Pipits on mossy hillsides and a few Lapland Longspurs on tundra.

Herring Gulls - two or three seen.

Black-throated Loons - saw a pair on muddy lake.

Caribou - saw a lone Cantor coming over ridge from southward, and down a slope between two shoreside outcrops. He moved steadily ahead, and I ran about half a mile behind a low stony

Aug. 21. (Sun.) ridge and headed him off. Shot once at about 150 yards and the animal stopped and staggered. Gave him another shot for a finish. One bullet went through ribs and stomach, and the other through the neck. Skinned the caribou and packed skin, head, entire meat and brisket back to camp.

*527. ♂ Rangifer arcticus. Medium-sized bull. L. 1975 mm. Tail 160 mm. Hind foot 555 mm. Height at withers 1125 mm. Depth of Chest 590 mm. Antlers still in velvet. Back fat about ¼ to ⅜ inch thick in places.

Went back in evening with Cox and O'Neill, taking the three packdogs, and packed the rest of meat back. The dogs packed 2 hams, 2 shoulders, heart, liver, neck, and one side of ribs. Easily

Reached camp 10:00 p.m. Wind had lowered a little. Sky quite clear. Rather dark at 10:00 p.m.

Water Point, Coronation Gulf.

Aug. 22 (Sun.) Sun set between 8:00 and 9:00 p.m. In certain stretches, dry ground at edge of swampy places between the low, stony ridges, there was quite a thick growth of ground willow, less than a foot high, and quite a bit of dead twigs among them, enough to make small cooking fires in places.

Aug. 23 (Mon.) Cloudy forenoon. Strong west wind. Occasional sprinkle of rain. Patched some clothes, socks, etc. Cox and O'Neill tinkered with the Evinrude motor.

Sun shining at intervals. Wind strong all day, but rather gusty and slightly moderated at times.

Pipits - a few seen around lake near camp.

Water Point, Coronation Gulf.

Aug. 23. (Mon.)

Glaucous gulls - a few seen.
Lapland Longspurs - a few seen.
Eskimo implements - O'Neill found a small stone lamp, one large and one small wooden bowl on the beach. The larger bowl was cracked, and spliced together with short thin bands held on by means of copper rivets.

All hands were out searching every foot of the beach for wood in the evening. I went about half a mile of coast on north side of peninsula. Beach small gray stones, absolutely clean. Picked up only two or three willow twigs. O'Neill got a bunch of chips around the harbor and the others picked a few armfuls of heather.

Kater Point, Coronation Gulf.

Aug. 24. (Tues.). Cloudy. Wind fairly strong in early morning, but moderated about 9:30 a.m. +39° at 9:00 a.m.

Dust Hawks - saw pair on south side of Cliffs near Camp.

Broke camp and started out from harbor at 12:54 p.m. Cloudy with brisk west wind. Passed through a narrow channel about fifty yards wide and five feet deep between point and island at 1:05 p.m. The large islands or a group of them outside of the smaller ones near the point seem to be the Marcet and Stockport Islands. The launch motor (Evinrude) stopped at 1:10 p.m., and the launch towed us around point to the other small boat harbor - stopped here at 1:30 and Cox and Weir took the Evinrude motor apart. The trouble seems to be that most of the Babbitt metal is worn out of the bearings

Water Point, Coronation Gulf.

Aug. 24 (Tues.). Calm for a while. Mosquitoes and Black Flies out. Light breeze from East about 4:30 p.m. Started out at 5:00 p.m. to run down the East side of Arctic Sound. Ran about two miles and motor broke down again. Ran back to the old camp in harbor, the launch towing the umiak. Then the launch went out along the coast and islands and picked up a small amount of wood, while O'Neill and I made camp and hauled up the umiak. Two men can haul it up, by unloading it, and rolling it up on two inflated sealskin "pokes".

Snow Bunting saw a young Snow Bunting on the rocks.

Glaucous Gulls – there is a large gull rookery on small island, just East of point, on southside of island. Cliffs much whitened

Water Point, Coronation Gulf.

Aug. 24. (Tues.)

Just west of Gull rookery, on the same cliff, about one hundred yards from it, on a niche in the face of the cliff we saw three Eskimo caches, close together, covered with white skins; also apparently a small sled. The cache was about midway up the side of cliff, and looked difficult to reach. Possibly it was put there in the spring when there were high snow banks at the side of the cliff. Nearly every piece of wood we pick up on the beach has been worked more or less by Eskimos. Saw a number of willow branches freshly cut off.

Decided that launch should go ashore tomorrow with O'Neill, Cot and myself. As only one topographer would be needed, as only one boat is serviceable. Mr. Chipman volunteered to stay here, and

Aug. 24 (Tues). look after the dogs, muzzle, etc. until we come back, probably in about two weeks. Three men can work better than two in the launch - but four is no advantage - and we could not take the dogs. We thought at first of towing the muzzle with the launch, but that cuts down her speed at least a mile an hour - from six miles to about five (if everything is going well) and by running the launch and alone - we shall perhaps be able to cover more ground. We have hitherto towed the Peterboro canoe behind the muzzle but shall take it along behind the launch, as it is almost necessary to go ashore in after anchoring the launch.

Kater Point. Coronation Gulf.

Aug. 25 (Wed.) Clear, bright sunshine. Very light Easterly breeze. +40° at 9:00 a.m. +50° (in sun) at 10:00 a.m.

Mr. Cox had to spend all morning repairing boat anchor, which was broken last night. Spliced it with pieces of hardwood lashed on. Fixed up some splanchnic and dinded stuff, leaving non-essentials here.

Started out from harbor 4:40 p.m. Photo V.P. (350) #4 K.J. Chapman at Kater Point Camp. 1/50-11-B5. #79 p.

Put out boat log line at point where we turned back yesterday at 5:15 p.m. Rounded first projecting rocky point; no harbor here (open to SE wind.

Yellow-billed loon - several seen at various times during the morning, flying up and down the coast.

Held course a little to SE along coast. Passed a rocky diabase cliff about two miles long, then the

Aug. 25. (Wed.) coast swung around to SW again in a low stony point.

The NE breeze had been increasing ever since we started, and after we got outside the shelter of the Cheere Islands, caught the heavy swell from the open ocean to NE. a broad opening between the Cheere Islands and Point Wollaston; soon after we passed south of the point of the long peninsula (Banks Peninsula, on the east side of Arctic Sound), the sea was just as bad, and we got it on the beam. The launch rode it well, although we shipped a few big seas, in coming up the north side of the long point. Found a little shelter in in a little shallow bay (or bight in the coast) just behind this point. Better steal (3 or 4 ft) and bottom rippled marked on sand, 100 - 300 yds off shore. Small patches of

Arctic Sound, Coronation Gulf.

Aug. 25. (Wed.) round stones on bottom near shore. Saw a low island ahead to SW. and headed for it, but soon saw a sheltered bay at point where rock hills come down to the water again, so we ran in and anchored about 9:00 p.m.

Coast lower here; rock exposures few near coast, and hills and valleys green and grassy.

Shores sandy; fine sand. Thick bunches of willows in spots near coast, not over three feet high, but very thick and spreading, sometimes six feet or more. Picked up enough dead willow branches and washed-out willow roots for fuel, mixing them with grease willows which give good heat when ignited.

Caribou tracks on sand.

Spermophile burrows numerous.

Aug. 26. (Thurs.). Dull cumulus. Fairly strong wind, more from SW than yesterday. Climbed up small, deep creek gully to NW, and then up across broad, hummocky grass valley to the high rugged diabase ridge running about North and South. Ridge composed of crumbling brown diabase; much loose gravel, granite and red quartzite rocks (boulders) on top in spots.

Lapland Longspurs - several seen.

Spermophiles - saw one. Holes abundant. Shot one with rifle, but he crawled into crevice in rocks, and I pulled him in two trying to drag him out.

"Mahu" (Polygonum sp.) and another Eskimo food plant, in sandy bed of small creek. Also yellow pea and small sun-flower.

From top of diabase ridge, I could see a high range of

Aug. 26. (Thurs.) hills about eight miles to the north; high, sedimentary shale, light gray with capping of (columnar) diabase, apparently on west side of a river valley running south to Hood River (probably the James River. A mile or two of the Hood River visible, and its mouth nearly full of low sandy islands and bars.

Photo Vest Pocket Kodak.

351. #5. Hills to North West of Hood River.
22 – 1/50 – Dull sun. 1:00 p.m.

352. #6. do. More to N. 11 – 1/25 – D.S. 1:00 p.m.

353. #7. do. from W. about 4 miles away.
11 – 1/25 – D.S. 1:30 p.m.

354. #8. Camp on Arctic Sound.
11 – 1/25 – D.S. 4:00 p.m.

Wind E.S.E. on high land at 1:00 p.m.; hauled more to North, then to East again.

Snowy Owl – one seen.

O'Neill went to the Eastward, and found a ledge of sandy dolomite

Aug. 26. (Thurs.) some of it very red: west of camp near head of bay.

Embarked 5:15 p.m. for Hood River. Course across bay about 5 miles. Sea rather rough and we shipped some water off low sandy islands at mouth of river. The larger islands had many shoals and bars between them and we were afraid to run in with heavy seas behind us. Kept outside, heading for end of east bank on south side of river. Found a promising opening north of the most southern island and sand bar, and ran into a deep channel (10 ft. or more deep). Swell eased as soon as we got into river current. We soon struck a bar inside of the islands, and lost the boat log, but dropped anchor and were lucky enough to find it up again.

Hood River, Arctic Sound.

Aug. 26. (Thurs.)

Glaucous Gulls— numbers of Glaucous Gulls on low, sandy islands at mouth of Hood River.

Channel runs near left south bank of river, average depth about nine or ten feet for three or four miles up from mouth. Rather large willows on bank, 5–6 ft. high, one inch or more in diameter and quite a bit of dead willow in among them. Quite a bit of dead drift willow on banks, ample for fuel.

Camped on left bank (west) at bend about four miles up. Channel here eight deep on left bank. Exposure of quartzite rock at water's edge, over lain by sandy clay soil. Rock very smooth and polished on surface, striated on surface.

Hutchins' Geese— a flock of about twenty feeding on flat grassy shore above quartzite exposure. I stalked them within about 200 yards. Ate 2

Aug. 26. (Thurs.) came towards them, they swam out into the river, and then flew up river.

Lapland Longspurs — a number seen.

Wolf tracks numerous in mud along river bank.

Wolverine — saw fresh tracks in gully near our camp this morning north of Hood River. Mr. Cox saw a wolverine on hill in morning.

Blue lupins — in bloom on banks of Hood River; the first I have seen this summer.

Cox and O'Neill said that they were abundant on the Koglukmalik (Tree River). Saw also a white clay saxifrage in bloom here. Black buck near river.

+45° at 2:00 p.m. +50° at 3:00 p.m. Sunshine.

Set net and took a whitefish and got it a few minutes later

Hood River. Arctic Sound.

Aug. 27. (Fri.)

Cloudy. Calm at 6:00 a.m. Light SE breeze at 6:00 a.m. +38° at 6:00 a.m. +47° at 10:00 a.m. +45° at 2:00 p.m.

Fish — took from net this morning four Whitefish (Leucichthys lucidus), one large "Crooked-back" or "Hump-back" ("Anarkhluk"). one large Trout resembling Lake Trout (but paler than usual).

Lapland Longspurs — a few on banks.

Tree Sparrows — a few in the dwarf willows. Shot one.

*528. ♀ Spizella monticola monticola

Redpolls — numbers of them twittering in large willows — on banks of river. Shot one.

*529. ♀ Acanthis sp.

Snowy Owl — one flew over —

Started up river 9:45 a.m. and reached First Cascade about 11:00 a.m. Bank on right side high steep, clayey soil. Frost fractured quartzite exposed, the channel across

Aug. 27. (Fri.). diagonally from left to right bank. Shoal banks on right side. We had no difficulty following the deep channel (over 9 ft.) by watching the color of water (grey on shoals). Landed on left bank above the 2nd big bend. Banks high, steep clay. Numerous Spermophile holes.

Raven - saw one.

Glaucous Gulls - several pairs screaming around cascade.

Herring Gulls - several seen.

Tied launch to left bank in small little nook just below the cascade. Set net - and soon took out one Whitefish and a large Salmon Trout. Salmon Trout 815 mm - long; no spots but whitish indications of spots on sides.

Plenty of dead willows drift all along banks. Several stone Kayak racks on rocky bank at cascade.

Hutchins Geese - a flock of 22 came flying down river.

Hood River, Arctic Sound.

Aug. 27. (Fri.)

A high range of hills visible to SW, and O'Neill and I started out from camp at 2:00 p.m. to investigate it. Ox remained in camp. If the geological formations warrant it, we may portage the Peterboro around the cascade and run up stream tomorrow, as O'Neill thinks there is an important point to determine the contact of diabase with granite, if granite is found here.

Wolf - saw a large white wolf on flat hills back about half a mile from the river, then three yellowish cubs (?) and one more white wolf. The large white wolf retreated to top of higher hills and watched us for some time as we went on.

First ridge of rocks fine red sandstone, very smooth on NE side; much fissured. Sandstone cuts on SW side by dike of coarse grained basalt. Broad grassy valley beyond.

Hood River, Arctic Sound.

Aug. 27. (Fri.).

Caribou

Saw a small herd of Caribou feeding in a little glade on the other side of the valley..

Next ridge was quartzite. Reached this at 3:20 p.m. and followed it along westward to look for the Caribou again. Saw a few Longspurs and one Raven here.

Thick flurry of snow at 3:25 p.m. but it lasted only a few minutes

Caribou - saw the Caribou again looking down over the crest of the quartzite - eleven in all, two of them females. Two bulls were of fair size, the larger one was "horning" the only large bull in the bunch in a mild, rather futile manner. Another bunch about 500 yards farther on had twenty-three. Total 34. Decided that we would shoot only one, and O'Neill to try it, his first Caribou, which he killed with Ross .280 at 325 yds.

Hood River, Arctic Sound.

Aug. 27. (Fri.).

#530. ♂ Rangifer arcticus.
L. 1860 mm. (nose to tip of tail).
Tail 162 mm.
Hind foot 545 mm.
Height at Shoulders 1105 mm.
Depth of Chest 520 mm.
Base of tail to base of skull 1360 mm.
Girth Chest 1210 mm.
Girth of hind leg. (thigh) 630 mm
" " fore leg 300 m.
Girth of belly 1460 mm.
Phot N.F. 35-5. #1. O'Neill's Caribou
8 - 1/50 - Cloudy. 4:06 p.m.
35C. #2. do 11 - 1/25 - Cloudy 4:06 p.m.

Skinned Caribou while O'Neill wandered ahead to do his geological work. The other band of Caribou paid no attention to him until he was within 300 - 400 yards, when they made off and were soon joined by the first bunch, and they crossed over the hills. When O'Neill got back we made up two heavy packs.

Aug. 27. (Fri.) taking all we could carry - Skin, head, two hams, 1 back, ribs meat, tenderloin, liver, heart and tongue. We had to leave the shoulders, backbone and ribs

Rocks - Quartzite ridge where we shot the Caribou. Further on to SW. O'Neill found an outcrop of granite, pegmatite, lapidolite (mica schist) in the middle of the valley.

Thick fall of snow from 7:00 to 8:00 p.m. whitening the ground. Clear after 9:00 p.m. Moon and stars shining. +36° at 10:00 p.m.

Redpoll - Cox shot a young bird near camp.

Wolves - Cox had been up on hills where we saw the wolves, and saw six, (four of them young). He got within one hundred yards of one of the flock, but missed it.

Red throated loon - heard one

Hood River. Arctic Sound.

Aug. 28 (Sat.). Cloudy at 7:00 a.m. Light North-easterly wind. Sun came out at 10:00 a.m. + 40° at 7:00 a.m.

Glaucous Gulls - a few flying about
Herring Gulls - do
Lapland Longspurs - a few seen.
Redpolls - some heard in vicinity
Black-throated Loons - heard on lake

Photo 3A -

341. #5. Hood River, looking up stream from top of bluff at First Cascade. 11 - 1/50 - Bright Cloudy 10:30 a.m.

342. #6. Hood River, at Cascade, from same place, looking to NE, diagonally across cascade 11 + 1/25 - B.C. 10:30 a.m.

343. #7. Looking West. Granite ridge in distance, with top of sandstone ridge in right-hand corner. 11 - 1/25 - Bright Cloudy 10:30 a.m.

344. #8. Near view do 11 - 1/50 - B.C. 10:45 a.m.

345. #9. Hood River, 1st Cascade. Looking across from North bank. 11 - 1/50 - Bright Cloudy. 10:45 a.m.

Hood River, Arctic Sound.

Aug. 28 (Sat.) Vest Pocket-

357. #3. 1st Cascade, Hood River.
Ar. V. 1/50 - Dull Cloudy 10[25].

358. #4. Camp below 1st Cascade, Hood River.

359. #5. J. J. O'Neill in big willows near mouth of willows (Quartzite bed). 11-1/50 - B. Cl. 1[00] p.m.

360. #6 Launch and Canoe. J.R. Cox and J. J. O'Neill. Hood River.
11-1/50 - Bright Cloudy. 1:00 p.m.

Started down river from Cascade at 11:59 a.m. Ran down stream too far on right side below the bend, and struck shoals, compelling us to run up stream again to go around them to left side. Reached 3rd camp site on quartzite ledge at 12:40 p.m. Almost calm, very light NE breeze. Black flies - pretty thick; got specimens of them.

Ravens - saw several.

Hood River. Arctic Sound.

Aug. 28. (Sat.)

Looking out across mouth of river from hill, it was seen that tide was much lower than when we came in, and broad, exposed sand flats covered most of north (left) side of delta. Started out of river mouth at 1:15 p.m. and cruised along west shore of Arctic Sound. Coast nearly straight: Sandy or gravel beach.

Yellow-billed Loons - several seen, often four or six in a flock.

Pacific Loon. - Saw several. One pair were playing together in the water, rushing towards each other, and meeting in great splashing.

Reached South End of Arctic Sound about 3:00 p.m.

Barren Ground Bear - As we approached the bottom of Arctic Sound (Baillie's Cove) we saw a small black spot on the beach

Aug. 28. (Sat.). which we took to be a bolorinè. As we came closer, we saw it was a Bear. He was walking about at first, but soon lay down where he had been grubbing Polygonum roots in the sandy soil near mouth of a little creek. The launch ran aground in shoal sandy bottom about 100 yards from shore. We all fired three and bear fell, apparently dead. After a minute or two he got up and ran slowly away. One Mannlicher bullet made him turn a complete somersault but he got up and staggered and at the next Mannlicher shot he fell and never moved again. O'Neill and Cox took 3A pictures.

#534/6 Ursus arctos richardsoni. ca 117"
Length (nose to tip of tail) 1960 mm.
Tail 130 mm. ca. 5 1/8"
Hind foot 325 mm ca. 12 1/2"
Girth Chest. 1440 mm. ca 56 3/4"
Color - brownish black; with yellowish tips
Legs feet nearly black.

Arctic Sound; Coronation Gulf.

Aug. 28 (Sat.). Barren Ground Bear — Stomach and intestines completely packed with fragments of one species of root only. Roots in stomach freely swallowed, crushed up some, but not very well masticated. Further along in the intestines the roots showed a progressive stage of disintegration into fibres and were more pliable. Excreta on ground mostly composed of root fibres, rather large masses. No traces of animal matter in alimentary canal.

A small creek enters SE corner of sound, flowing through sandy country. Hills 2-3 miles back. An exposure of amygdaloid near head of sound. Kept on up East side of sound, about ten miles, from 6:30 to 8:30 p.m. West coast of Banks Peninsula low and sandy, grassy at southern end. Cut

Aug. 28. (Sat.) Gradually becomes more rocky and barren, as successive layers of diabase run down to the coast. No harbors along this coast, but nearly dark we found shelter in a little bight from all but NW to N round. Clear evening. Light East round. +34° at 10:00 p.m.

Quite a bit of small driftwood at south end of Arctic Sound; no very large pieces, but more wood than any place we have struck East of Cape Barrow. More or less driftwood on east shore in little nooks. About camp there are conditions of small willow twigs and small bits of roots, which burn well. We could scoop them up in armfuls for our fire. Cooked outside tonight to save time.

Long ledges of blueish mussel shells on beach (Mytilus edulis)

Arctic Sound, Coronation Gulf.

Aug. 28 (Sat.). Duck Hawk – saw one on east shore

Glaucous Gulls – a few seen at various points around the Sound. Numerous on low sand islands off the mouth of Hood River.

Seal – Saw one seal just off mouth of Hood River, and two more later in the afternoon –

Aug. 29. (Sat.) Ten miles from south end of Arctic Sound: Cloudy 6:00 a.m. Calm (or nearly so at 6:00 a.m.). Light East wind at 8:00 a.m. +37° at 8:00 a.m.

Red-throated loon — in water near camp.

Yellow-billed Loons — several seen.

Lapland Longspurs — several seen.

Semipalmated Plover — one seen on beach in the morning.

Caribou tracks and dung on the beach:

Copper — O'Neill found small bits of native Copper in amygdules in cliff near coast (about 500 yds back)

A little stream runs down from high land — blue. Filled 5 gal can with water in little pool at foot of tiny fall.

Started out 9:00 a.m. Reached next point, five miles ahead at 10:30. Native Copper in rocks at beach — in amygdules and veins; much green

Banks Peninsula – Wollaston Point.

Aug. 29. (Sun.) stain – in cracks of rocks.
Reached next point, about half a mile from Point Wollaston, (the tip of Banks' Peninsula) about 11:10 a.m. and filled oil cups.
Saw Eskimo caches on top of high pinnacle rock at edge of diabase amygdaloid dike near point and wind ashore. One large and one small dome-shaped cache, covered with White Canvas skins (bleached flesh side out), lashed down. Bundles of black birch sticks and underneath skins; also two large mesh drying-frames; one large plank. Much old, sticky seal oil dripping down sides of rock. Caches on top of pinnacle about 12 ft. high, 10 ft in diameter and square, detached about 10 ft. from the edge of the cliff; practically inaccessible without a ladder, or a board for a bridge

Banks Peninsula – Point Wollaston

Aug. 29. (Sun). Photo Vest Pocket – #1 363 – #2 364 – #3 365 – #4 366 Eskimo caches on pinnacle rock. Point Wollaston 11 – (1/25 – 1/50) B. Cloudy. 11:20 A.M. Some copper in rock here.

Rounded Point Wollaston (small rock island on west side near tip). Other small rock islands on east side of point. Saw a new upturned Eskimo sled on beach about two miles farther down the coast at foot of cliff. Stopped at 12:00 for Mr. Cox to get latitude, with sextant and artificial horizon +50° at 12:00 m. Some copper in amygdules about foot on beach.

Started up again about 1:20 p m and ran about south.

Stopped at point – dolomite rock, stratified, overlain by decomposed diabase. Kept on following a nearly straight coast until 3:30 p.m; thinking from inspection

Bathurst Inlet, Coronation Gulf.

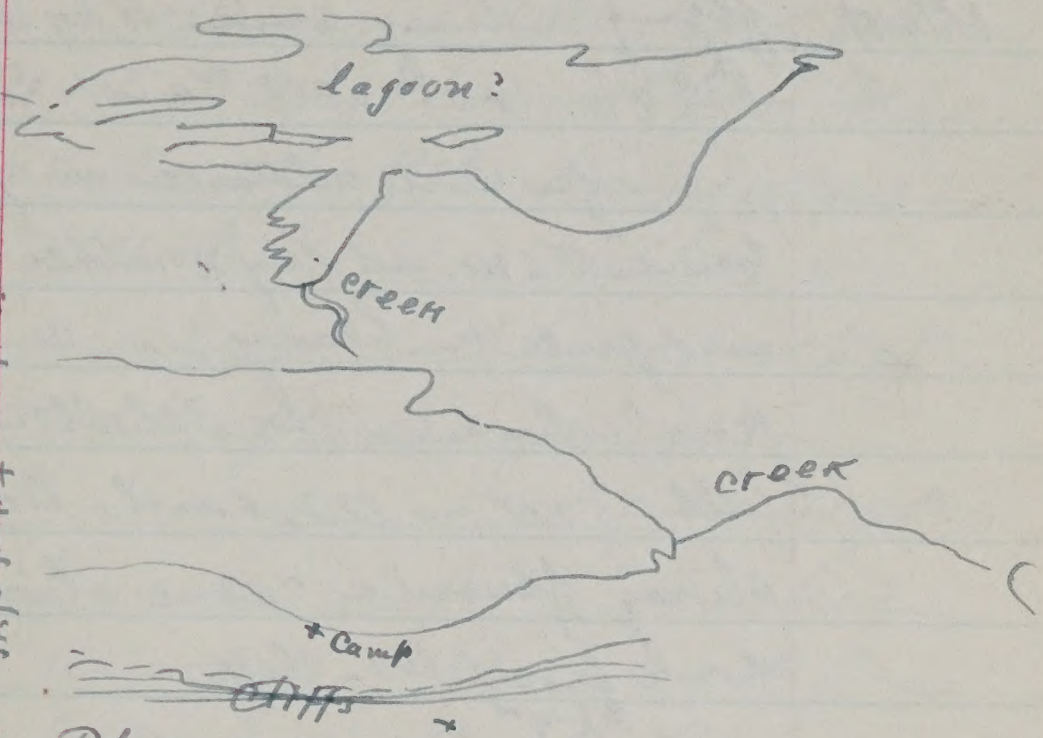
Aug. 29. (Sun.) of chart that would find a passage
out behind an island, but ran
nearly to bottom of an uncharted
sound; high dolomite cliffs for
several miles along west shore.
Ascended hill to get lay of land.
Rather steep of dirt and gravel to
490 ft. elevation (by aneroid).
Summit 870 ft. above sea level,
about ½ mile from beach. Diabase
much striated on surface at top
of cliffs, overlying heavy strata
of gray dolomite.

A small river runs into the
bottom of sound from a lake
about five miles inland in a
broad, grassy plain. Had a
good birds' eye view of many
square miles.

Found small flowers (Stone-crop?)
growing in damp spots at foot of
talus. Dense growth of heather on
cliff.

Bathurst Inlet. West side of Banks Peninsula.

Aug. 24. (Sun.)



Birdseye view from top of cliff.

Photo V.P.

367. #5 Dolomite cliffs. (basalt top) West side of New river. from 870 ft elevation. 22 sec Cloudy 7:00 p.m.

368. #6. ds. 8-1/25 - Cloudy. 7:10 p.m. Mud shifted a little more to south (ca. North by West true). +38 at 10:00 p.m.

Bathurst Inlet, west shore

Aug 30 (11 o'cl).

Cloudy at 8:00 a.m. Snowflakes flying. Strong wind N by W. +37° at 8:00 a.m. +35° at 10:00 a.m. Sunshine for a few short intervals in afternoon. Wind N & W. all day; rather strong and quite a heavy sea running from which we were sheltered in a little boat in the coast. Occasional strong flurries came straight down from the cliffs.

Spent a good part of day cleaning the skin of Barren Ground Bear. The whole skin has to be gone over inch by inch with a sharp knife and the tough layer of oily blubber pared or shaved off, a rather delicate job if one does not cut the skin.

Little streams run down to the coast here about every two hundred yards, fed by the large volume of snow drifts which are still unmelted in crevices of the cliffs.

Bathurst Inlet, west shore

Aug. 30. (Mon.)

Willows stand three or four feet high in deep, narrow little creek gullies, but on the tundra slopes the willows lie flat. Some willows with stem 1½ or 2 inches in diameter will spread out flat on the ground for 6 feet.

Took specimens of small yellow flowers, which Mr. Cox called stone-crop. Also a small flower like a hairy blue violet.

Yellow-billed loon — one swam up near camp in evening. No other birds seen.

Old Eskimo camp rings. Many small pieces of rotted wood on beach.

Bathurst Inlet, west side

Aug. 31. (Tues.) Cloudy; and gusty wind during night and early morning. Calm 7:00 a.m. Light SE wind sprang up about 7:30 a.m. + 37° at 8:00 a.m. + 49° at 12:00 m.

3A. #10 (346) Dolomite Cliffs west side of Bathurst Inlet. — Sound: 16 - 1/10 - Cloudy 10:00 a.m.

370. West Point. do. (more to north) 22 - 1/50 - BS 11:00 a.m.

Mr. Cox got meridian altitude. Sailed 12:30 p.m.. Course 1/4 miles (by log) to opposite side of bay — a low stony point, with sloral beyond behind each end. Shaly red strata, alt. dolomite. Old Eskimo camp site here. Next point north red dolomite. Next point is a good boat harbor. 70°

A broad white vein quartz cuts through red quartzite here.

Old squaw - saw flock of about 20 Old-squaw.

Aug. 31 (Tues.)

Glaucous gull—one seen on little rocky island.

Coast consists of red quartzite up to the point where we turned East again (south of Barry Islands). Quartzite cut by dike of basalt near point. Small low island in middle of channel here. Two small rocky islands a little further East. A very light-colored, high, stratified red quartzite cliff along coast east of point. Large islands to north (Barry Islands?) have whitish sedimentary rock cliffs (dolomite?) under diabase. One island shows alternate red and white banded strata.

Estuaries at mouths of point. Very little driftwood.

Ran around high point, passing inside the little rocky islands. Struck heavy sea from East, had soon gained shelter of another point

Bathurst Inlet.

Aug. 31 (Tues.) and ran south into another long, narrow channel between red quartzite bluffs. At the bottom of this bay (a round about ½ mile wide) we ran into a narrow, crooked inlet about 50 yards wide, with a narrow channel 6-8 ft. deep in middle, which connects with the large "inland lake" (really a salt-water inlet or lagoon, which we saw from top of the high cliffs on August 29th. This seems to indicate that the so-called Goulburn Island of the charts is not really an island but an intricate map of long narrow peninsulas and fjords, with a few small rocky islands here and there off the shores.

Barren Ground Bear-dung composed mostly of "mä-hin" roots on low wet shores of inlet.

Eskimo camp sites (stone tent rings) and a small pile of dry

Bathurst Inlet.

Aug. 31. (Tues) willow wood, on top of low rocky eminence between two little bays. Found a little more willow wood in thicket, and a few small pieces of old driftwood.

Glaucous Gulls - a few seen.

Raven - one seen.

Golden Eagle - a Golden Eagle or a large Black Hawk soaring over bay.

Seal - one came up very near us in afternoon while we were on shore near point (getting an agimuth) He was very curious and kept swimming back and forth looking at us, within 50 yards distance.

Bathurst Inlet.

Sept. 1. (Wed.) Cloudy. Light SW wind, shifting to SE about 10:00 a.m. +42° at 8:00 a.m.

One fish (a "Hump-back" or Quark-hluk) in net this morning.

Started out about 13:00 a.m. Ran north about a mile on East side of bay, to where a low neck of land showed water on the other side. Ascended the quartzite hill, about 100 ft. high to look ahead. Saw another bay about two miles deep on east side of this point. Heavy sea running to Eastward of second point. Too rainy and foggy to see far.

Spermophile — Saw one run under loose rock pile as we ascended hill, and heard him chatter as we came down.

Decided to run around next point and camp there if sea was too rough outside. Rounded point and crossed small bay to SE.

Bathurst Inlet.

Sept. 1. (Wed.) Camped on little island about a quarter of a mile off the point as O'Neill thought that would be a better place to work. Sea pretty rough.

Diabase dike cuts quartzite at this point and continues out along north side of the two small islands. No copper found on islands. Quartzite pink, streaked with greenish in places. Cox found a small vein of picrolite (slender asbestos-like fibres) in seam in the diabase.

Arctic Hares — saw three Hares on little island. One was nearly white with a little grayish on lips. Another had a grayish nose. They sit very quietly among the rocks when they think they are unobserved. I paced off two of them for white boulders. Chased one across rocky point. O'Neill headed her off and I shot her with #4 gauge.

Bathurst Inlet.

Sept. 1 Wed.

Chased the other pair on other end of island, and fired two long shots but missed.

#32. ♀ Lepus arcticus canus Nearly white; a few black hairs on cheeks, sides and flanks. Very many black Fleas in fur. Preserved 2 specimens of fleas in formalin.

Black flies very troublesome. My hands are all swollen from bites yesterday and previously. The stings form large red pimples resembling hives.

Yellow-billed Loons - saw a pair in bay in morning. Saw five in afternoon.

Raven and flew over.

Glaucous Gulls - several seen.

Snow Buntings - several on island, all of them apparently in fall plumage.

Bathurst Inlet.

Sept. 1. (Wed.) Found only a few bits of small driftwood on island, after traversing the whole beach line — only one four-sided piece (ca. 4 ft. long).

Light sprinkling rain from about 10:00 a.m. to 3:00 p.m. Put up tent when we landed for a temporary shelter, but as wind held, we finally decided to camp, and unloaded camp gear. Wind lowered in the evening, and shifted from ESE. to South (true).

+47° at 3:00 p.m.

+49° at 7:00 p.m.

Bathurst Inlet.

Sept. 2 (Thurs.) Wind hauled to West true about 3:00 a.m. and we had to shift launch around the point to a similar little harbor on the south side of island. The island is high rock at both ends with an isthmus about 75 yds across composed of a ridge small stone and gravel connecting the two ends.

Wind lowered in forenoon and shifted to about north true.

+50° at 3:00 p.m. +42° at 9:00 p.m.

Raven - two around island.

Seal - one came up repeatedly within 100 yards while I was loading canoe, the other men had gone to bring the launch around.

We are carrying tent in canoe, also Bear skin and Caribou skin, with some distillate tins and camp gear - towing the canoe behind the launch.

Bathurst Inlet.

Sept. 2 (Thurs.) Embarked 1:20 p.m. Ran about NE 2¼ miles to north tip of long, low island south of Barry Island.

Barry Island has white sedimentary rock dipping down about 45° to East, on south side of island. A little harbor (apparently) east of this. East of this landed red and dark sedimentaries at water's Edge.

Glorious Falls - saw one.

Cruised south along west side of island. Wind ashore at 3:00 p.m. for Mr. Cox to get a longitude - just in time, for the sun soon went behind clouds and it was Cloudy for remainder of the day. Rocks here were decomposed granoid, with masses of agate here and there, some quite pretty. Much green stain in places, but no copper.

Bathurst Inlet.

Sept. 2 (Thurs.)

Yellow-billed Loon — saw one.

Alpine Bear-berry (Maraini a rubra). rather thick on top of low bluff, some — not very ripe.

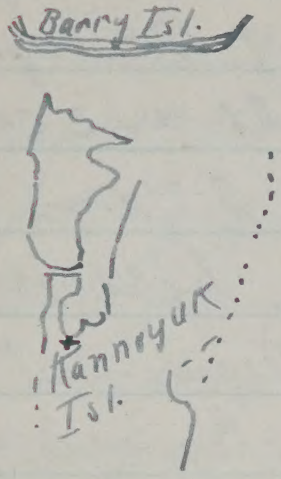
Island rather low, rather barren in most places, with small out-cropping terraces of diabase here and there.

Camp on — fresh tracks on beach. Went about ½ mile farther on, but a SE wind was springing up, and as we saw a slight indentation, with a reef a little above water in the middle we ran in shore.

Found a channel about 100 yards wide (not visible ½ mile offshore) leading into a fine harbor. This channel separates the island we were on from another much larger island south and East of it. This larger island is probably Hannoyak Island, the large island south of Barry Island, and said by the

Bathurst Inlet, Kannoyuk Island

Sept. 2. (Thurs.) Eskimos to be larger than Barry Islanders.



Ran to East side of harbor and went ashore. Several old Eskimo camp sites on beach, very old; many caribou bones; some stone Kayak rocks. Some bunches of willow at foot of cliff - willows 2-3 ft. high. A few Yellow Poppies in bloom.

From high hills on top of island, the mainland to East appears to be light-colored granite, with a few small red quartzite islands fringing the Eastern shore.

Camped at South End of harbor.

Caribou - some heather fresh tracks here. Large numbers of stones piled up in irregular lines to form a caribou drive here.

Kannoyuk Island, Bathurst Inlet.

Sept. 3. (Fri.) Cloudy at 7:00 a.m. Heavy rainfall during most of the night. Sun shining bright and clear for a little while about 9:00 a.m., but sky soon clouded over. Light northerly breeze. Fog in afternoon. +38 at 9 a.m.

Caribou — Mr. Cox wound up on hills about a mile NE of camp. and a solitary Caribou, a large bull came walking up over a barren stony ridge about 150 yards from him and he shot it. He came back to camp at once and I went out with him to measure and help skin the Caribou.

*533. ♂ Rangifer arcticus

Length (nose to tip of tail) 1940 mm.
Tail 125 mm.
Hind foot 520 mm.
Depth of Chest 525 mm.
Girth Chest 1410 mm.
" Thigh 610 mm.
" forearm 370 mm
Rump (base of tail) to base skull 985 mm
Height at Shoulders 1160 mm

Sept. 3. (Fri.)

Back fat about 1½ inches thick. Antlers very large, covered with velvet, but very loose, much of it falling off on the ground when the deer fell, and most of the remainder stripping off in ribbons. Antlers fully developed and hard.

The two of us skinned and packed everything down hill to the launch (about ½ mile) in three pack-strap loads (about 90 lbs. to each load). Mr. Cox took one load down while I was cutting up the deer and skinning head.

J.J. O'Neill spent the day geologizing towards the south end of island. He found dolomite and sandstone under drabase, but no native copper. Some copper ore in dolomite.

Lemming - O'Neill saw a large, "fat" brown lemming run into a hole in stony talus slope at foot of cliffs.

Kanmoyuk Island, Bathurst Inlet.

Sept. 3 (Fri.)

The Lemming's hole contained a nest of grass and a number of pods of the common species of pea-like vine.

Snow Buntings - several seen.

Glaucous Gull - two or three seen.

Arctic Hare - chased a white hare from a hole in ground at base of bluffs near launch.

Wind pretty strong from north in afternoon - and we had to shift launch to shelter of another knot.

Sept. 4. (Sat.) Cloudy. Strong N.W. wind. Heavy rain during the night. +38° at 7:00 a.m. Cloudy all day. Remained in camp all day, skinning out hoofs and head of Caribou skin and cutting fat off the large bear skin.

Ravens occasionally flew over.

Glaucous Gulls - one or two flew by.

Mr. Cox went up on hills to north and came back along the west beach. Top of island about 250 ft high. He found a small piece of amygdaloid containing copper, in situ, about ten feet above sea level.

Short-eared Owl - Mr. Cox saw one sitting in a little meadow full of Lemming or Mouse holes.

Arctic Hare - Mr. Cox saw one.

Mr. O'Neill went towards north end of island, and found dolomite beds nearly up to top of the hills

Kanmoyuk Island, Bathurst Inlet.

Sept. 4 (Sat.)

also some conglomerate rock. Some native copper (small bits) in amygdaloid and also in dolomite.

Arctic Hare - O'Neill saw two; nearly white, and very large.

Arctic Fox - O'Neill saw one on top of island; grayish white in color.

Rain during night.

Kannoyuk Island. Bathurst Inlet.

Sept. 5 (Sun) Cloudy at 7:00 a.m. Stormy NW gale. Sprinkles of rain. +37° at 8:00 a.m. Cloudy all day. Patched overalls, mittens, gloves. Etc.

Mr. Cox found some more native copper in dolomite, also heavy dark ore in veins.

Semipalmated Sandpiper #534. Ereunetes pusillus. Mr. Cox found one dead on the beach.

Snow Buntings - a few seen.

Ravens - a few seen.

Glaucous Gulls - a few seen

Horned - one seen by Mr Cox

Fish - hauled net in evening. - eleven fish. Eight White fish (7 average, 1 large) female with roe, one large female Salmon Trout, with roe size of No. 1 shot), and one small Salmon Trout.

One Polar Cod - about one foot long - the first one I have seen.

Kannoyuk Island, Bathurst Inlet.

Sept. 6 (Mon.). Cloudy at 6:00 a.m. Light north wind. Calm at 2:30 p.m. +35° at 8:00 a.m. Sea water +38° Fahr.

Embarked 10:40 a.m. Stopped to cache part of our Caribou meat under stones opposite entrance to harbor. Marked by willow cross with white rag tied to it; on bench to south of willow patch at foot of diabase bluff, about 50 ft. from face of bluff. Cached 2 hams, 1 shoulder, 1 neck, 2 flanks, 1 backbone, 1 side of ribs, 1 whitefish.

Arctic Fox — a fox had taken one slab of the back sinew meat and Ravens had picked off some fat from rump.

Mud ashore on little island at outside of long bay — a good harbor. Rock amygdaloid with copper stain.

Rock Ptarmigan — saw two on the small rocky island seen NW

Kannoyuk Island, Bathurst Inlet.

Sept. 6 (Mon.) end of Kannoyuk Island and shot both of them - in full plumage

#535. ♂ Lagopus l. rupestris

#536 ♀ " " "

Glaucous Gulls - several seen.

Black throated loons - three seen.

Old-squaws - Saw flock of 12-15 in bay between Kannoyuk and the other smaller island. Another flock of 25-30 swimming off the point. A Seal came up suddenly in their midst and they flew off squawking "Ca ca' wee".

Landed at little point near tip of Kannoyuk Island; amygdaloid, Copper in amygdules and green-coated slabs of native copper plastered over sides of seams and veins.

Old Eskimo Camp sites and charred wood in fireplace.

Barry Island seems to be about 3 miles north; one cliff white-washed by gull rookery.

Barry Island, Bathurst Inlet

Sept. 6. (More.) Cut straight across bay from northern end of Kanmoyuk Island to nearest point on Barry Island 1.3 miles by boat log. Landed at point, a low bench — a flat exposure of dense diabase, fine-grained, under talus slope of high cliff. Water very deep and blue close up to south side of Barry Island. Many sunken rocks on bottom at edge of beach. On the little bench where we landed there was a small bunch of willows, low, bad about 1 inch in diameter, and a few ripe blueberries.

Continued around the rounded south tip of island to the westward. Light red stratified quartzite at East edge of Glencoe Gull Rookery; quartzite banded with darker layers and occasional thin white layers.

Ekulialuk,

Barry Island. Bathurst Inlet.

Photo Vest Pocket.

Sept. 6. (Mon.)

371. Pk1. Diabase Cliffs. South end of East Barry Island.
11-1/50-Bright Sun. 2:00 p.m.

372. Pk2 do. Underlain by Quartzite. Glaucous Gull rookery of about twenty pairs nesting on sides of cliff.

373. Pk3. Diabase cliffs. East Barry Island. Quartzite below diabase.
11-1/50- BS 2:00 p.m.

~~374. Pk4 do.~~

Rounded point and went into what appeared to be a harbor, looking from Kunnuyuit Island. The Eightside (East) proved to be a rounded bay with no shelter from SW or South winds, so we ran across to NW corner of the bay where there seemed to be a promise of shelter behind a rocky spur. On rounding point we found a slight turn to the west and a channel about a quarter of a mile long, and

Barry Island, Bathurst Inlet.

Sept. 6. (Mon.). about one-eighth of a mile wide at south end and about 100 yards wide at north end, where a strong tide rip running through to southward. Entered bay about 4½ miles long and 2 or 3 miles wide which divides Barry Island into two parts. Landed just inside entrance and went up on the hill. No driftwood at all here. Some grass on low hill here, but higher hills behind looked pretty barren.

Went ahead, north, along east side of bay. Landed once near middle of bay on ~~South~~ East side. Rock hard, dense diabase, non-amygdaloidal, very rounded and barren surface.

Fish. In the little bay a Seal came up near shore, and a small Polar Cod ran into shoal water, and Mr. Cox knocked him out on the beach with a paddle.

Barry Island, Bathurst Inlet.

Sept. 6 (Mon.) Continued north along the bay, which had several sharp little bays indenting the south side and several little stony islands near the shore.

King Eiders — saw a flock of four or six young Eiders, which kept diving as we came nearer.

Glaucous Gulls — Saw young Glaucous Gulls (pale brownish gray plumage) on one little stony island in bay, also on the cliff rookery on south side of Barry Island. They were as large as the adults and able to fly, although less inclined to fly than adults were. These were the first young (gray-plumaged) gulls we have seen this season.

This bay (between East Barry Island and West Barry Island) opens into ocean at north end by a channel, about ¼ mile wide

Barry Island, Bathurst Inlet.

Sept. 6 (Mon.)

Rounded point to East of entrance of Channel and camped in a little bight on East side, sheltered from all but NNW. wind. If wind should come from NNW we could shift around that point behind.

From hill top near camp, the Channel at South End of bay through which we came in barely visible, but about 3/4 mile to East of it is a more conspicuous channel nearly through, but with a very narrow Sandspit running East and not completely across it. This is evidently the place of which Sir John Franklin says:

"Continuing through what was supposed to be a Channel between two islands, we found the passage barred by a gravelly isthmus of only ten yards in width, the canoes and cargoes were carried across it."

It is in reality two islands, the real Channel being west of them.

Sept. 7. (Tues

Bright sunshine. +40° at 8:30 a.m. Light ESE breeze. Heavy dewfall during night. Stars shining very brightly at 2:30 a.m. Crust of young ice on ponds on top of high hills until late in the forenoon.

+34° at 6:00 p.m. +34° at 8:00 p.m.

Cloudy in evening after 5:00 p.m.

This is the first day that sunshine has been continuous all day, for over two weeks. Mr. Cox got latitude and longitude sights. N. Lat 67° 31' 38".

Wind shifted to NW about 10:00 a.m. and blew steadily from that quarter all day, raising too much of a sea for us to go east around the point as we intended to do.

The hills are very brilliant in spots now. The ground willow leaves are a brilliant lemon yellow, the dwarf birch leaves orange-tinted, bear-berry leaves a brilliant red or vermilion, and blueberry bushes are in

E. Barry Island, Bathurst Inlet.

Sept. 7. (Tues.)

of a purplish tint. Some willows still show a vivid green.

Flowers - the only flowers seen yesterday were Yellow Poppies (Papaver sp.).

Photo 31.

379. #1. North End of East Barry Island. 11 - 5/50 - Bright sun. 9:05 a.m.

380. #2. North End of E. Barry Island, from higher up on hills.

381. #3. Center of E. Barry Island. Lakes, etc., to East. 11 - 5/50 - B.S. 10:45 a.m.

382. #4. Diabase on sedimentary rock. To N.W. (E. Barry Island).

383. #5. Lake on West side of hills. 11:00 a.m. (East Barry Island).

Caribou - old dung on hillsides.

Wolf tracks seen.

~~Fox~~ - " "

Pipits - Heard some - among rocks.

Glaucous Gulls - a few seen.

Blueberries, Crowberries, Red Bearberries and Black Currants, ripe and fairly thick in a few spots, particularly

Sept. 7. (Tues.) on sloping sides of pass through the long quartzite ridge.

Phot. Vest Pocket.

375. #5. Quartzite underlying dolerite (castellated cliffs).

22 - 1/50 - B.S. 2:15 p.m.

376. #6. Isolated pillar of diabase. SE part of E. Barry Island.

11 - 1/50 - Cloudy 3:00 p.m.

Snow Buntings - a few seen.

Wind up to the top of big ridge in the morning, but came down again, as weather looked favorable for taking boat around to East side of it, where outlook was more favorable. Wind was too strong to move boat.

Crossed big ridge (Quartzite capped with dolerite) with J.J. O'Neill in the afternoon, going across stony saddle-back gap in ridge, after passing around north end of deep long lake. Broad areas of low grassy land East of the divide,

E. Barry Island, Bathurst Inlet.

Sept. 7. (Tues.)

separated by low, rough ridges of hard diabase; several small lakes. Found only a little amygdaloidal rock, on one of the low terrace ridges, and got a few little pieces of native copper in amygdules in only one area about three feet square. We looted carefully for copper, crossing a deep gorge and going well over to the south side of the island.

Caribou - fresh tracks in soft mud. Many old tracks all over the island. Many antlers. O'Neill found a horn deer-arrow stuck in a cleft of a pillar rock.

Lemming mouse - Chased what I thought was a brown lemming mouse through a series of labyrinthine runways in a tundra swamp. It was too small and dull-colored for a Lemmus.

Lapland Longspur - saw one skulking among rocks; very wild.

Sept. 7. (Tues.)

Pipit – saw one alone, and a pair later among mossy rocks.

Glaucous Gulls – seen a few hovering over bay; both adults and young.

Ravens – two or three seen.

Arctic Hare – saw one on rough barren ground at southeast part of island.

Wolverine – saw a bleached skull on hillside; with one zygoma broken, and lower maxillary in two parts.

Barry Island, Bathurst Inlet.

Sept. 8. (Wed.)

Cloudy morning. Calm at 3:00 a.m. and 5 a.m. Very slight rippling breeze from East at 7:00 a.m.
+ 3° at 5:00 a.m. + 4° at 8:00 a.m.

Fish—one Polar Cod in net. No other fish.

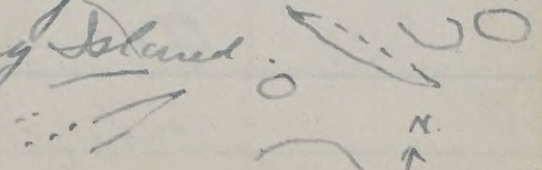
Ermine—a Weasel or Ermine came up on the rocks near our tent, where our meat was drying, while we were breaking camp in the morning, and started eating Caribou tallow from a piece of back. He did not care to be driven away, and I came within six feet of him. I scared him away finally, and he did get back and forth among the rocks, often coming within 10 feet of me, and running up to nibble at the deer fat again. After considerable maneuvering to get him far enough away for a shot, I dropped him with a load of 10's at about 20 yds. L. Tail. Hind foot 5 3/4". S. Putorius sp. 320-95-51.

Sept. 8 (Wed.) Ennuie - color whitish, tinted with roan colored hairs so as to give the animal a pinkish appearance. Considerable brown on head.

Embarked 9:24 a.m., having decided that as season was getting late we had better make the best time possible back to Kater Point while Mr. Clapman was left behind.

Course N by W. to point west side of Channel. Two low, stony islands about ½ mile off the point (ca. 100 and 200 yds. long), running about East and West).

Foggy all morning. Ran around north end of West Barry Island. Several small islands north of West Barry Island, and a large island Adligaq close to it on north and west, apparently all included in chart at Barry Island.



W. Barry Island Bathurst Inlet.

Sept. 8. (Wed.) Followed the coast of West Barry Island around instead of cutting across, as we wanted to finish up as much of the survey as we can without going too much out of our way on the way back.

Wind hauled to NW about 2:00 p.m. rather strong, and kicked up quite a sea in the bay between West Barry Island and the islands north of it. Ran into shelter of a little bay found quite a bit of small driftwood around this little bay and picked up quite a bit, about three cunfuls. Walked up over the high diabase hills about a mile and came upon Franklin's Portage to the other channel. Walls of channel almost perpendicular diabase, about 100 ft high. There were two isthmuses, separated by an island of steep rock, the more western one about 100 yards wide, the other one narrower.

Sept. 8. (Wed.) Photo, Vest Pocket.

37~~4~~ #6. Isthmus, about 100 yds. west of Franklin's Portage, West Barry Island.

11 - 1/25 - Cloudy. 2:15 p.m.

(37~~4~~) #7. Franklin's Portage. South End of West Barry Island.

16 - 1/25 - Cloudy. 2:30 p.m.

Lemming - Mr. Cox chased a lemming into a hole in the rock but could not catch him.

Old squaws - saw a pair.

Black-throated Loon - 3 seen.

Raven - one seen.

Glaucous Gulls - several seen.

Snow Buntings - saw ten or twelve.

Arctic Hare. Passed within 20 yds. of a Hare sitting in a crevice of the rock (next each) perfectly motionless. I passed by carelessly, and came back a few moments later but the Hare had disappeared. Saw another Hare later on the hills.

West Barry Island, Bathurst Inlet.

Sept. 8. (Wed.)

Came back to the launch about 3:00 p.m. The wind seemed lower on hill tops, but was still pretty strong at sea level between the hills. Decided to run around to the west side of island anyway. We had to buck a strong head sea running out of the little bay, and slupped some water. Found an opening through to westward, around the NW tip of West Barry Island. A long rocky reef projects out into the channel with sunken rocks barely awash at tip. Another long island on the opposite (north) side of channel, which was about 300 yards wide at its narrowest part. A strong, rapid tide rip running through the channel to the North-west, against the wind, and looking pretty rough.

The north end of West Barry Island is dolerite. The other

Barry Island, Bathurst Inlet 27.

Sept. 8. (Wed.) island north of it is dolomite (or pale gray limestone?) at base, 100 ft. high or more, capped with dolerite.

Ran around point at south end of this land, and changed course to about north. Near bottom of little bay, dolomite at sea level. A mile or two farther to westward, at sea-level, dolomite conglomerate over lain with red shale, capped with diabase. No copper.

Followed coast of island to west, with frequent stops of motor, owing principally to spark plugs quickly becoming foul and dirty, requiring frequent changing. Ran around low stony point, opposite the small islands (& south) near the high red quartzite cliff passed Aug. 31st

Bathurst Inlet. (NW. Barry Island)

Sept. 8. (Wed.)

No driftwood seen on beach here.
Rain after 4:00 p.m., most of the evening. +40° at 4:00 p.m.
+38° at 7:00 p.m.
Strong NW wind

Sept. 9 (Thurs.)

Light misty rain at 2:00 a.m. Raining at 5:00 a.m., 7:00 a.m. and 8:00 a.m. + 37° at 8:00 a.m. Wind hauled more to westward in the morning. Snow to be seen on higher lands of Banks Peninsula (visible to the East), quite white on tops, but lower portions bare.

+ 36° at 5:00 p.m. + 34° at 8:00 p.m. Wind hauled a little more to northwestward in the forenoon, and blew steadily all day.

Wolverine — Mr. Cox heard a noise outside of the tent at 5:00 a.m., and looked out. A wolverine had opened a sealskin packsaddle full of Caribou meat about ten yards from the tent and scattered some mead around, making a noise which woke up Mr. Cox in dragging the pack bag over the ground. Mr. Cox called me and pulled my rifle inside

Bathurst Inlet, NW. Barry Island.

Sept 9. (Thurs.) of the tent. The wolverine started away, but stopped several times, apparently to get a better hold of a piece of Caribou ham that he was carrying, and I shot him through the body at about 60 yds.

№ 538. ♂ Wolverine (Gulo luscus).

L. 1055 mm. T. 195 mm. H.F. 195 mm.

The stomach of the wolverine contained the feet and some of the feathers of an Old squaw duck, and some pieces of Sealskin with the hair on.

Ravens - flying over.

Gulls - a few seen.

O'Neill found small traces of Copper in rocks along shore of island to the Northward.

Too stormy to move today. Stewed wolverine, which was not very fat.

Sept. 10 (Fri.). Cloudy in early morning. Violent gale from north. +30° at 8:00 a.m. Sun came out about 8:00 a.m. shining faintly. +36° at 10:00 a.m.

Found small pile of drift-wood in a little bunch near an old Eskimo cache at point; one piece of wood with three bone pegs. Mr. Cot found the end of a small child's bow yesterday, with 4-strand braided sinew splice still adhering.

Ravens saw four.

Young ice in brackish pool near coast.

Went around to south side of island to look for wood, but found no more wood except a few little branches of ground willow in gullies.

Saw one small shore bird and one longspur.

Snow buntings - saw two or three.

Bathurst Inlet (N.W. Barry Island.

Sept. 10. (Fri.).

Arctic Hare – Came within 10 yds. of me crouching under rocks near the coast. As I came nearer he darted into a maze of holes in the rocks and I could not see him again.

V.P. 378. Dolomite Cliffs, under diabase. South side of island.

11 – 50 – Bright Sun. 12:30 p.m.

Quite a bit of green copper stain on sides of dolomite Exposure, and some lumps of Calcocite (Green, but showing black metallic lustre when scratched).

Tide very high in afternoon; nearly covering rocky point behind which our launch was anchored. Some seas running over rocks, causing launch to pitch and ship some spray occasionally. Gale more violent in evening.

+ 25° at 8:00 p.m. Sea water + 37°.

Set three mouse traps for Cummins

Sept. 16. (Sat.) Bright cloudy at 8:00 a.m. +25° F. Strong North wind, but a little bit lower than yesterday Barometer steady. Wind irregular; occasional strong gusts and flurries of hard, sleety snow. Snow fell during most of the night, and the ground is pretty well covered; some small snow-drifts.

Went out to look for my traps but could not find two of them. Found one buried under two feet of drifted snow behind a bunch of rocks. Saw one Loon.

Sea water + 33° F. but it may have been chilled by slush snow blowing into shallow water near shore.

Had our first bday (in morning) of Green willows. Started with drift chips. Used primus stove in evening. Mended old clothes most of the day. Wind gusty all night.

Bathurst Inlet. (N.W. Barry Island)

Sept. 12 (Sun.). Cloudy 8:00 a.m. Strong north wind (same as before). Sun shone for a little around 9:00 a.m. Water has fallen about 18 inches since yesterday and our protecting reef is exposed again. Weather bow of launch well-coated with ice.

+27° at 8:00 a.m.

+31° at 3:00 p.m. Wind has lowered a little.

Ice in little fresh water pond where we get drinking water is three inches thick, strong enough to bear up a man.

Sept. 13. (Mon.). Cloudy bright at 8:00 a.m. Wind lowered some more and hauled about four points to the west, so that it comes more from the Talbot narrows Sound between here and Banks Peninsula, instead of blowing down parallel with the sound.

+ 31° at 8:00 a.m. + 34° at 9:00 a.m.
+ 37° at 12:00 m. + 24° at 6:00 p.m.

Wolverine - fresh tracks within twenty-five yards of camp.

Embarked about 12:40 as sea did not seem too rough, and few white caps were visible.

Headed for point of island about 1½ miles ahead, but before we reached the point the heavy sea swell swinging around the point threatened to swamp the Peterboro astern and we turned back and ran around to the narrows Channel between West Barry Island and the

Bathurst Inlet, N.W. Barry Island.

Sept. 13. (Mon.). one we have been camping on. Had more or less trouble with motor again today and we decided to camp at foot of high dolomite cliffs at "tide-rip channel."

Got some large ground willows (Green), and some small willow drift, and O'Neill and I crossed to W. Barry Island in canoe and found one large stick of spruce driftwood (ca. 6 ft. long). Mr. Cox took the engine apart and cleaned it in the evening.

Glaucous Gulls - several around reef at tip of west Barry Island.

Old-squaws - a pair seen.

Loons - two seen in bay.

Red-breasted Mergansers - surprised a flock of nine in a little bay at foot of cliff. They flew around about 100 yards. then dived under water.

Arctic Hare - saw one run over rocks near reef point. It was a pretty uniform dark gray color.

Bathurst Inlet, N.W. Barry Island.

Sept. 14. (Mon.) Cloudy bright 5':30 a.m. Light SW breeze. +31° at 5':00 a.m.
+36° at 1:00 p.m. +29° at 7:00 p.m.

Ravens— Cawing around camp in the morning.

No fish in net, which was set last night. Hauled out several Green Sea Urchins (Strongylocentrotus drobachiensis) the common Arctic species.

Embarked 8:45 a.m. Light South breeze. Started east to try to go around the other side of the island.

Photo Vest Pocket.

389. #1. Dolomite cliffs. South side of N.W. Barry Island. 11-1/50-B.S. 9 a.m.

390. #2. do. farther East.

391. #3. do. " "

392. #4. do. at SE point, showing diabase sill at top.

Course from camp about NE. 5.5 miles. Rounded point, near small island where we landed to look around on

Bathurst Inlet, N.W. Barry Island

Sept. 14 (Tues.) the morning of Sept 8th; then changed course to west, and ran 3.2 miles between the large island we have been camped on and another one north of it. Stopped at SW point of outer island to oil up. Went ashore and up on hill, from which we could see the tip of Banks Peninsula, ie. Point Wollaston.

Started straight across to Point Wollaston, or rather headed a little bit inside of it. from the SW corner of the island (the sharp rocky knoll seen from Point Wollaston) and made the run across to Point Wollaston 6.9 knots in 1 hr. 43 min. Sea smooth as glass except in a few little spots and streaks where breeze ruffled it a little. Spray frozen up to 20 ft on weather side of Banks Peninsula shows that

Sept. 14. (Tues.) seas have been running pretty high there recently.

Yellow-billed Loon - one in little bay.

Old squaw - two seen.

Black-throated Loon - one flew over.

Glaucous Gulls - seen occasionally.

Terns - a few seen

Sunshone brightly during most of day, occasionally obscured by light clouds. Very faint WNW breeze at 10:30 a.m. Calm from 10:30 a.m. to about 2:00 p.m. when breeze freshened from N.W.

Started from Point Wollaston in a straight line across the mouth of Arctic Sound, for west tip of Cheere Islands at 12:54 p.m. and reached a tiny little harbor near southernmost tip of island about 2:45 p.m. Calm about half way across. Aboud half way across crossed a strong tide current with ugly bubbles on top running northerly, about from

Sept. 14. (Tues.). the direction of Hood River. The NW breeze was pretty stiff by the time we got behind the shelter of the Cheere Islands. Stopped to oil Cylinders here. The gaskets leaked considerably and we had to stop every 30 minutes, remove four bolts to take off cap and pour oil in from a can. The cylinder scrapes at tip of one rod and runs hot at that place in about half an hour. We canded to tip of point (Cheere Islands), and saw that it was so rough on the other side that we did not dare venture to go across to Kater Point. Waited for about two hours for the wind to lower, but it kept increasing, and we decided to camp.

It is remarkable how quickly a sudden breeze will raise a sea in these waters. In ten minutes the water will be pretty rough - too much for a loaded boat

Sept. 14. (Tues.) Found quite a bit of driftwood (some sticks 4-5 feet long) on gravel beach covers on both sides of end of island, more than we have found at any camp since leaving Cape Barrow.

Seals - saw two or three Seals and one Bearded Seal during run today. One Seal came up several times near our camp about 4:00 p.m. and I finally shot him through the head, tearing half the head off. The Seal floated, back just awash. We ran out the launch, and I thrust seal harpoon into the seal, but the harpoon head broke, and the Seal sank but soon came up again. Caught it by one flipper and towed it ashore where I skinned it and cut it up. It was a large male. Stomach full of half-digested small fishes.

Cheere Islands, Arctic Sound.

Sept. 14 (Tues).

about five or six inches long, apparently fry of whitefish, but I could find no heads. A very fat seal, with thick blubber.

Arctic Hare - saw one run over the rocks; nearly pure white in color.

Found a few little fresh water pools on top of the rocks on this island, but ice-covered. The sun melted a good bit of snow off southern exposures today, but did not affect the ice in the pools.

Sept. 15: (Wed.) Strong Northwest gale all night. Snow falling and snow drifting pretty thickly at 5:00 a.m. Snowing a little all forenoon.

+ 30° at 8:00 a.m.

+ 30° (in air) at 6:00 p.m.

Sea water + 35° at 6:00 p.m.

Heard Ravens and small birds flying over in morning (probably Snow Buntings).

Snow Buntings around near camp today.

Ravens - four around camp, croaking all day, watching the Seal blubber on ground. Set up Seal head on rocks, but they did not dare to touch it.

Cox found some old Eskimo arrows near beach, copper-pointed.

Rock - fine sedimentary at base - black ~~sand~~ limestone, and also sandstone. Hard dolerite above.

Cheere Islands to Kuter Point.

Sept. 16. (Thurs.) Light N.W. wind at 2:00 a.m. Cloudy. +30° at 6:00 a.m. Light SW wind. Left some driftwood piled up at camp, also some seal blubber.

Embarked at 8:35 a.m. Distance across to nearest rocky point on mainland 1.7 miles. +32° at 8:00 a.m. +33° at 1:00 p.m.

Glaucous Gulls - several seen, both old and young, probably from the rookery on island a little east of Kuter Point.

Yellow-billed Loons (Gavia adamsii) Saw twelve (12) in one flock flying north.

Started again for Kuter Point, logged 3. miles straight across bay. Quite a sea running from the bay to southward, as the breeze freshened. Came into Chipman's harbor about 9:45 a.m. Struck a very heavy swell in narrow channel just before entering

Sept. 16. (Thurs.) harbor as the sea had a run of three or four miles straight down a narrow channel.

Found Mr. Chipman all right, but apparently he had been a little lonesome.

Caribou - Chipman has been out on the observation hill west of the harbor nearly every day, and sometimes farther, but has seen only one Caribou. On August 21st. he saw three Eskimos chasing one Caribou with bow and arrows - one or two men and one woman and a boy. They were a long way off, but they did not see him, and did not come near.

Arctic Hares - Chipman has shot two.

Herring Gulls - Chipman shot two - one adult and one juvenile (gray-plumaged). The Gulls left the rookery on the island East of the point at the beginning of the

Water Point, Coronation Gulf.

Sept. 16. (Thurs.) heavy gale (about Sept. 10th) and came over to the mainland.

Pipit - one shot by K. J. Chipman.

Spermophiles - two seen by Chipman. One was seen at burrow at foot of talus slope of big cliff near camp.

Fish - three Salmon Trout were taken, after which the largest became too torn to use.

In afternoon I went up on top of high hill west of the harbor (400 ft. elevation by aneroid. K. J. C.). Marcet Island and Stockport Island lie to North and East, very much cut up by many deep inlets and harbors; also many small hilly rocky islands. Could see to the northwestward what is apparently Cape Barrow, or possibly the high land near Detention Harbour (hills look like granite) with diabase islands to NE. of them. Bearing of top of Cape Barrow is N 20° W (true).

Kater Point, Coronation Gulf.

Sept. 16. (Thurs.) Saw no birds nor mammals, but many tracks of Hares; one Lemmophus track. Several tracks of mice or lemmings on top of highest hill. Rather deep snow-drifts in places on side of hills.

Breeze pretty strong about 2:00 p.m. but when I was up on the hill a little later, the wind was much less and sea was quite smooth to Westward; not much swell and no white-caps.

Sun shining at intervals in afternoon. Little local snow squalls seen at various points occasionally

Nearly calm at 7:00 p.m. and + 3° F.

Vest Pocket Kodak. 3¼. #5.

Kater Point Harbor, from high hill on west side. 11 1/25. Bright Cloudy. 5:00 p.m.

Water Point, Coronation Gulf.

Sept. 17 (Fri.). Cloudy at 8:00 a.m. +3/0 at 8:00 d.m.

Sun came out brightly about 9:00 a.m. +29° at 8:00 p.m.

Breeze pretty strong from northwest all day, with frequent sleet and snow-squalls.

Set three traps on hillsides at Lemming holes.

Many small bird tracks on snow.

Chipman saw a small shore bird.

Raven - Mr. Chipman said that while we were away a Raven became very tame, coming around the tent every morning before he was up. Once the Raven came up so close that he gave him a shove through the tent wall which scared him off a little. The Raven had picked quite industriously at a caribou skull near tent and some caribou bones hanging to dry on guy-ropes of the tent.

Sept. 18. (Sat.) Cloudy at 8:00 a.m. +28° at 8:00 a.m. Sun shining at intervals all forenoon. Wind veered a little lower and we made preparations for starting away, but breeze freshened and we stopped. Rather a Choppy sea outside. Traps frozen and snowed in this morning.

Herring Gull - one flew over.

Raven - one near camp.

Pipit - one seen on rocks near water.

In the afternoon we loaded up and moved camp about 600 yards to the north end of the little bay and pitched tent on the little beach at foot of the cliff on west side of entrance to harbor, where shelter is better, both for the tent and for the boat.

Two or three old Eskimo tent sites here, and two stone kayak racks. Gathered a large pail of heather. While we were gone, Mr. Chipman used very little of the wood which was gathered for him before

Water Point Coronation Gulf.

Sept. 18. (Sat.). We went east with the launch. He has used for cooking purposes mostly heather and Crowberry plants (Empetrum nigrum), the latter much resembles dwarf juniper in appearance and smell. It has a resinous quality and burns well green. Chipman used it almost exclusively for three weeks and found it very satisfactory. He had a rather high sheet iron Camp stove with a large hole in the top. He would fill the stove full, and when his fire was well started he would set his pot down inside the stove among the red hot coals. Keeping 1 or 2 stalks, and poke bundles of the plants down around his pot as desired.

+30° at 4:00 p.m. +26° at 8:00 p.m.

Water Point, Coronation Gulf.

Sept. 19. (Sun.) Cloudy. Thick snow falling at 8:00 a.m. About a foot of snow in foot of tent. Strong NW wind and heavy swell rolling around the point. +28° at 8:00 a.m. +30° at 12:00 m.

The wind blew over the cliff in gusts while breakfast was being cooked with heather fire, driving smoke over through the stove door and nearly choking us. The smoke from heather is rather pungent, and rather agreeable in small amounts, but not in excess amounts.

Sun shining faintly through snow-Clouds at intervals in forenoon and afternoon. Walked west along the beach about ½ miles in the forenoon and picked up four or five slender little pieces of driftwood about a foot long. In the afternoon I walked about half a mile over the tundra looking for fresh water to avoid the necessity of melting snow for water

Water Point, Coronation Gulf.

Sept. 19. (Sun.) The smaller pools among the "nigger heads" which had contained water a few days ago had a crust of ice over them, but were drained out underneath. Found two little ponds with water; ice covering them about three inches thick.

Raven — a Raven kept around the camp all day, picking tiny fragments of meat from Caribou skulls near the canoe.

Blizzard continued all night

Sept. 20. (Mon.) Bright Cloudy at 8:00 a.m. +30° at 8:00 a.m. Strong N.W. wind as before. Snow flurries, and snow drifting thickly around angles of bluff. Sun shining a little in forenoon Snowing hard in evening.

Sea water +33.5 Fahr. in morning.

Raven — hopping around within fifteen feet of tent at times.

Hater Point, Coronation Gulf.

Sept. 21. (Tues.) Strong NW gale. Sunshine at intervals in forenoon. Very thick snowstorm in afternoon. +28° at 8:00 a.m. +30° at 12:00 M. +26° at 6:00 p.m.

Raven - one alone camp.

Loons - saw two flying west in afternoon.

Wind lowered for about an hour about 7:30 to 8:30 p.m. apparently a dead calm (at least behind the Cliffs). Then the wind started up again with considerable force from a more Easterly direction.

Sea water +33° in evening.

We are pretty anxious about the weather now, hoping to get away from this place before we are caught by a general freeze-up here.

We have plenty of grub, but no fuel for heating. Plenty of distillate which we can use for cooking in primus stove.

Kater Point, Coronation Gulf.

Sept. 22. (Wed.) Cloudy at 6:00 a.m. Rather light N.E. wind +24° F. at 7:00 a.m., breeze rather stronger, snow drifting. Wind kept increasing, shifting back more to Northwest, with frequent snow-squalls. Very heavy snowstorm during most of afternoon and evening

+26° at 12:00 m.

Snow drifting very thickly down to water's edge, so that pieces of snow kept breaking off and floating away. Small streams of slush snow floating in harbor, the sea-water being chilled down so that it does not melt the snow quickly

Glaucous Gulls - saw one adult in the morning, and one young gull going West.

Snow Buntings - a flock of four or five flying over.

Raven - one around camp.

Kater Point, Coronation Gulf.

Sept. 23 (Thurs.) Cloudy. Strong NW wind and heavy sea running, the same as it has been for several days.

+28° at 9:00 a.m.

+25° at 6:00 p.m.

Gulls – Ö'Neill saw two flying over.

Sept. 24 (Fri.) Wind moderated about 4:00 a.m.

+26° at 6:00 a.m. +30° at 9:30 a.m.

Bright sunshine from 9:00 a.m. to 4:00 p.m.

Very light South wind until about 4:00 p.m. when it shifted to SE.

Quite warm during afternoon, and snow melted on boat.

Photo 31.

394. #6. Tent at Kater Point.

8 – 1/50 Bright sun. 10:00 a.m.

395. #7. Kater Point harbor entrance.

8 – 1/50 Bright sun. 10:00 a.m.

Kater Point, Coronation Gulf.

Sept. 24. (Fri.).

The weather being favorable this morning for the first time since the 16th inst. we hurried as much as possible to get an early start.

It was quite a job to dig out the umiak without a shovel. It stood on edge, and snow had drifted about two feet deep over the top of it and we cut blocks of snow away with a snow knife. Got everything loaded and started out of the harbor at 10:00 a.m. About three miles East of camp, we approached mainland at entrance to long Channel near the Gull rookery (passed Aug. 20th, going East).

Wolverine — saw a wolverine casually walking and smelling around on the beach. We headed towards him and I fired at about 150 yards but the motion of the boat deranged my aim. The wolverine ran over a hilly pass on

Sept. 24. (Fri.) twice for a mile & instant to look around.

Seal – Shot one while coming out of the little bay. The launch had stopped – and the Seal sank before we could get the launch turned around & pick him up.

Arctic Hare – one pure white Hare seen on top of cliff a little west of Gull rookery.

Snow Bunting – one flew over.

Ravens – several seen.

Glaucous Gulls – several seen – both old and young singly.

Old-squaws – two or three small flocks seen in the water they flew as boat approached.

Started at 12:45 to make a traverse – across Moore Bay (from high point just East of Camp of Aug. 19-20.). Headed for small rocky island in middle of Moore Bay.

Water Point to Cape Barrow.

Sept. 24. (Fri.). From this island we changed our course more to NW, heading for the point a little south of our noon observation point of Aug. 16th. Reached this point about 2:30 p.m. Seal - saw Seal in smooth bay among little stony islands off this point. Kept on up the coast, and were abreast of Galena Point 3:00 p.m. Followed around outside of islands at entrance of Detention Harbour until about half way across Detention Harbour, then struck for mainland coast, south of the conspicuous conical hill south of Cape Barrow on east side of point. Breeze freshened from SE, quite a bit as we came up to Cape Barrow, raising some swell. Ran into our old harbor west of the tip of Cape Barrow about 5:30 p.m. Found cache all right, but boxes in the temporary cache had been tipped over. Fresh wolverine tracks on beach. The

Sept. 24 (Fri.) Wolverine had not touched a small pack of dry meat in the pile, but had torn up a hunting coat, and chewed up a heavy pair of hob-nailed boots.

Enjoyed the luxury of a drift-wood fire in our camp stove tonight, after several days of heather and primus stove cooking.

Sept 25 (Sat.) Cloudy a.m. Strong SE wind and quite a sea running. +30° at 11:00 a.m. +32° at 8:00 a.m. +34° at 12:00 m. +36° at 5:00 p.m. +35° at 6:00 p.m. Misty rain started about 1:00 p.m. and increased. Rain falling pretty heavily in evening.

Packed and boxed specimens in morning. Mr. Cox took the engine apart and cleaned cylinder rings which were badly gummed.

Cox and Chipman ran the launch

Cape Barrow, Coronation Gulf.

Sept. 25. (Sat.) around the point to the next little harbor S 45 of here, about half a mile to get wood. The harbor is very narrow and crooked and had quite a bit of driftwood on its beaches. They picked up quite a bit of driftwood in the harbor, enough for a week or more. On their coming back, the sea was a heavy sea rougher, the engine balked, and they anchored in the other harbor, and walked back over the hills.

Wolverine - Clipman saw a wolverine nosing about on the beach of the other harbor, the first time he went over in the morning.

Arctic Hare - Clipman saw a pure white Hare on the granite hills.

Cape Barrow, Coronation Gulf.

Sept. 26. (Sun.) Cloudy at 8:00 a.m. +38° at 8:00 a.m. +40° at 10:00 a.m. +46° at 2:00 p.m. (in Sun.) +32° at 7:00 p.m. Wind hauled from South East to South West about 2:30 a.m. and kept increasing during the early morning hours. (SW true) Sunshine in forenoon.

Went over hills to the other harbor, returning about noon.

Rock Ptarmigan — saw only three Rock Ptarmigan, on a little grassy plot near the beach; one was quite dusky, and one about half white. Mr. Chipman saw three at about the same place early in the morning.

Wind lowered about 1:00 p.m. Sun shining brightly all day. Hung out all skins (specimens) and sleeping bags and sleeping skins &c to dry in the sun.

Mr. Cox worked on launch Eugene again and got it to working well

Cape Barrow, Coronation Gulf.

Sept. 26. (Sun.)

again: Cox and Chipman ran launch around to the small granite rock islands outside and brought in a big launch load of wood.

Arctic Hare — Chipman and Cox shot one on small granite island in morning. ♯ 539. ♀ 603-61-162 mm.

Spermophile — Chipman saw one and today on the opposite side of harbor. Saw several holes there, & I set two traps.

Most of the snow melted off the hills today and numerous little streams were running all day. Washed a bunch of clothes and took a bath in little shallow pools of snow water in granite basins on top of hill near camp. The water was rather warm.

Very light NE wind for a short time about 7:00 p.m. followed by dead calm. Young ice forming in streams at SE corner of harbor at 5:00 p.m., and a thin scum of young ice all over harbor by 8:45 p.m.

Cape Barrow. Coronation Gulf.

Sept. 27. (Mon.) Light southerly wind started up about 3:00 to 4:00 a.m. and increased during the day. Cloudy at 6:00 a.m. +34° at 6:00 a.m.

Young ice all the way across the harbor in morning but about half of it melted or floated out during the day. Sunshine in afternoon. +31° at 8:00 p.m. Aurora borealis in evening.

Spermophile - Chipmunk seen are none in my traps. Nothing in mouse traps 26 yesterday, either.

Rock Ptarmigan - Ole will shot one out of a flock of four seen.

Scraped Barren Ground Bear skin and Wolverine skin today, and dried them some more.

Cape Barrow, Coronation Gulf.

Sept. 28 (Tues.). Calm all night. Bright sunshine in the morning. +28° at 6:00 a.m. +34.5 at 8:00 a.m. +47° (mean) at 10:00 a.m. Mr. Cox rowed the launch out through young ice about 50 yards to clear a road to the open water outside, backing and turning. The launch ploughed through the thin ice very easily, but when we came to load up, it was leaking badly, long and we found the ice had sawed holes through both sides about amidships. Unloaded the rest of load and hauled boat up on beach enough to clear the holes, which we patched with tarred canvas with tin (lining of biscuit cases) tacked over it. The bow sheathing is lasting pretty well although corroding some at edges.

Fished up a can full of mussels from about 6 ft. depth, for specimens (Mytilus edulis).

Cape Barrow, Coronation Gulf.

Sept. 28. (Tues.)

Cached at Cape Barrow harbor: On south side of harbor, under rock cairn. 1 gunny flour (100 lbs.). 2 boxes sugar (24 lbs.)

Among stones on hill north side of harbor, 1 case distillate (10 gals.). about 10 ft. South of flat rock slab sticking up.

Among stones near beach, near tent site, 1 can mixed oil for Evinrude motor, ½ can Cylinder oil.

Started out from harbor 10:45 a.m. after being delayed about 2½ hrs. to repair launch. Coast west of Cape Barrow fringed by numerous small granite islands. Many bays and fjords cutting into the coast. Passed Inman Harbour about 12:00 M.

Pacific Eiders — ran into a small flock near Inman Harbour and shot three. They were somewhat reluctant to fly, and we ran

Cape Barrow to Gray's Bay.

Sept. 28. (Tues.) pretty close to them with the launch. Stomachs (gizzards) of all three full of long purple mussel shells (Mytilus edulis). A small sea-urchin (Strongylocentrotus drobachiensis) in gizzard of one Duck.

*607. ♀ Somateria v-nigra Very fat.
*608. ♀ " " "
*609. ♀ " " "

Saw small bunches of Eiders in water during the day, usually near the tips of rocky points. They always flew before we got within range.

Air temperature +45° at 12:00 m. +41° at 1:00 p.m. Seawater at surface. +34° at 1:00 p.m. 4m +46° at 8:00 p.m.

Wind about due south all day. We followed coast pretty closely but cut across the mouths of numerous narrow bays and inlets with which the coast is indented. After noon, the

Cape Barrow to Gray's Bay.

Sept. 28 (Tues.) breeze became pretty fresh, and although it was blowing off the land, we got considerable spray from breakers when only 200-300 yards off shore. Passed snowy reef behind numerous small granite islands. Good harbors about every mile or half mile.

Stopped about 2:30 p.m. at rocky point near eastern end of Gray's Bay, having come about fifteen miles. Rock at point black pyroxy lave, much cut by red granite veins. Climbed up to top of rocky point to look ahead, but ~~fog~~ small was too strong to cross the Bay ahead. Bay rather deep, with small creek coming down through grassy valley. Plenty of driftwood on all beaches. Some young ice blown into North End of harbor.

Seal-oil came up near boat.

Gray's Bay Coronation Gulf.

Sept. 28. (Tues.) Wolverine on nearing the top of rocky point, after landing. I saw a wolverine on a little shelf of rocks about ten feet above me. I shouted to the men below to bring up my rifle and camera. The wolverine stood there at bay for about three minutes watching me, pacing first on one side and then on the other of a little rock which partially sheltered her. I thought she was cornered safely. The wolverine did not snarl, growl or act threatening, although I thought it well to pick up a jagged rock in case the animal should jump down. Finally the wolverine quickly slipped down on the other side of the rock and scampered around on the beach to the other side of the bay, stopping once or twice. It was a beautifully colored animal, with much rich yellow fur on back

Gray's Bay. Coronation Gulf.

Sept. 28. (Tues.) I felt considerably chagrined because this was about the first time I had been without a vest pocket Kodak all summer and it happened to be the only time I have been near a live free wolverine.

Arctic Hare - Chipman went out in the morning and saw two. He shot one which was pure white. Numerous black flees on the Hare. #340. ♂ Arctic Hare. 605-60-15 ♂.

Glaucous Gulls - a few adults seen.

Snow Buntings - Chipman saw three.

Ravens - two or three seen.

Peregrine - Chipman heard one chatter, but did not see it.

Considerable good driftwood here. Put up a stack on each side of the rocky point, for use next spring if necessary.

Gray's Bay, Coronation Gulf.

Sept. 28 (Tues.) Clear weather all day. Not a cloud in the sky in the morning. Light cirrus in afternoon = "mares' tails", etc. Clear all night, bright moonlight and starlight. Small aurora borealis.

Sept. 29. (Wed.) Wind lowered considerably in the early morning, after blowing down our stovepipe and drawing in our tent-stays which were tied to stones and covered with loose gravel; wind still from south at 6:00 a.m. + 44° at 6:30 a.m. Cloudy. Sunshine bright from 9:00 a.m. to 2:00 p.m. Wind lowered a little. Embarked 11:45. Rather heavy swell and spray crossing several narrow, deep bays. Reached low point East of mouth of Wentzell River at 1:00 p.m.

Wentzell River, Coronation Gulf.

Sept. 29 (Wed.) Went ashore just East of point. Water shoal in little bight; sandy bottom. Shore and little ridge sandy. River about 300 yards from bay, across small sandy ridge. Ran boat around point and up into river about 300 yards. A sand bar at middle of entrance. Entered through the eastern channel. Water about four feet over bar at entrance, and 9 or 10 feet after getting inside. River about 100 yards across. Banks of river near coast fair sand, some grass, wild barley, etc. Small granite outcrops here and there. Hills very rugged (red granite) two or three miles inland.

Set net in river and caught two fair fat whitefish. Water rather muddy.

Spermophile - saw one.
Snow Bunting - saw one.
Snowy Owl - saw one.
Ravens - saw two.

Wentzell River. Coronation Gulf.
Gray's Bay.

Sept. 29. (Wed.) Eiders — several flocks going over, females and young. Stayed at mouth of Wentzell River about 2½ hours. Found some willow drift along the banks and made tea. At 3:30 wind moderated a little from SSW. and we went out of the river and started ahead. The muddy river water makes a discolored area for some distance out to sea, in contrast to the blue of the Gulf water. No young ice seen.

Headed for long point visible ahead and ran well for about half an hour with water pretty smooth. Then we struck a heavy swell, the breeze freshened and we shipped much spray. Ran inforwards the low shore, and struck muddy water, with smoother sea, about one mile from shore. Soon sighted low

Sept. 29. (Wed.) sand islands at mouth of a large river with high steep bluff Earth or clay banks about half a mile up stream (the Kogyoktuaryuk River of the Eskimos). Tried eastern-most channel, but grounded & then got through the middle channel. Quite a bit of loose pieces of slushy ice floating down stream and bunching up along sides of river mouth. River frozen completely across about 500 yards up-stream from mouth. Numerous fish jumping out of water. Water muddy. Entered mouth of Kogyuktuaryuk at 4:25 p.m., but weather appeared to be getting more calm, and as camping site looked unfavorable (no wood, and good prospect of freeze-up,) we ran out again about 4:40 p.m., and ran down into bay to SW. Shoal and stony bottom at SW end of bay. Considerable willow

Gray's Bay, Coronation Gulf.

Sept. 29. (Wed.). driftwood and some other wood on beach. Old Eskimo campsite and caribou bones. Clapmen and I went to top of high hill (about 150 ft) to look ahead, as bay here was unsheltered from NE wind. A small harbor around the point is sheltered from everything but due East wind.

Started ahead 5:40 p.m. about ten minutes before sunset. Almost Calm, and sea quite smooth. Struck across for schist islands north of mouth of Umiálik River (more properly Annialik). Tried to go between the islands but found a stony bare running all the way across them, barely submerged; not over a foot of water anywhere on it.

Young ice forming in crystals on surface of water in calm places in middle of bay.

Gray's Bay, Coronation Gulf

Sept. 29. (Thurs.) Muddy water from the Anniclik River runs out for one or two miles. As at the Wentzell and Kogyoktuaryuk rivers, the muddy water is at the surface, and the boat ploughed through showing the black water below.

Black-throated loon – saw one.

Seals – saw several in crossing the bay.

+ 41° at 9:00 p.m.

Sept. 30 (Thurs.) Clear at 5:00 a.m. + 35° at 5:00 a.m. Very light SW wind. Jan. 29. 47

No fish in net. Went to top of island (schist rock). There is a triangular bay behind island, at apex of which the river comes out around a sandy point. Apparently a river empties into bay just east of mouth of the Anniclik River.

Gray's Bay, Coronation Gulf.

Sept. 30. (Thurs.) Left island at mouth of Anniellik at 7:30 a.m. Very light SW wind as we started, but it soon freshened from SW. Rather heavy sea running as we crossed bay. Reached point at western end of Gray's Bay at 8:30 a.m. High cliffs run from the point down along the westside of the bay. Point sharp, steep cliff, with deep water directly below it.

Redpolls (Acanthis sp). At 9:40 a.m. two Redpolls flew over the boat, coming over the Gulf from the north, west of Hepburn Island.

Swell from NW was pretty heavy, although wind was SW true. Ran into a little bay, sheltered from NW, and walked across point to look ahead. Considerable good driftwood on beach. Point consisted of flat diabase & many

Coronation Gulf.

Sept. 30. (Thurs.). Glacial striæ; glacial boulders scattered everywhere. Many little ponds. Much water running from melting snow.

Ran around point about 2 miles to better harbor behind a small island about 11:00 a.m.

Plenty of wood here in rocks at base of cliff. This is about 15 miles East of Port Epworth.

Cooked lunch, and then went up on hill to look around.

Hills very barren. Smooth, hard diabase rising gradually for a mile or more.

Rock Ptarmigan — saw seven or eight in little grassy pockets.

Old Esquimo cache — piles of wood, etc. on a diabase pinnacle near bluff, similar to the cache at Pond Wollaston.

Saw small gray Geometrid larvæ on rock today, crawling steadily

Coronation Gulf.

Sept. 30 (Thurs.) ahead" measuring its length. It was about 1 inch long, and plain gray. When I put my finger near, it stiffened and motionless. After a short time it roused up again and proceeded in the same direction as before.

Arctic Hares - Saw several among the rocks. They were all pure white and easily seen. Very conspicuous among the dark rocks. Cox shot two with shot gun and O'Neill two more; all pure white

*541. ♂ Lepus arcticus canus.

645 mm. - 54 - 155.

Photo. Vest Pocket.

#6. Rock cliffs (diabase) at camp East of Port Epworth, about 15 miles.

11 - 1/50 - B. S. 3:00 p.m.

Stacked two or three piles of wood here - one pile at foot of cliff, and another on rocks a little farther west.

Coronation Gulf.

Sept. 30. (Thurs.) Embarked again at 3:20 p.m. as frazil had fallen much and waves were rapidly lowering. Passed high diabase point and started across large bay 3:40 p.m. Held up 3:53-3:56 p.m., stopping as usual to do so. +39° at 3:55 p.m. Dead calm. Oily swell.

We were opposite low stony island at west side of bay at 4:20 p.m. A Sled came up within ten yards of boat while we were oiling up. As we came near the point we saw the post which we had seen sticking up from our stopping place, was a large stone cairn, and we ran in behind point to examine it.

The cairn stands on top of stony point, about 1 mile East of high diabase bluff, and is built very carefully and methodically of large and small

Coronation Gulf

Sept. 30. (Thurs.) stones neatly fitted together, about four feet wide at base, slightly tapering; twelve feet high to cross at top. At top a cross consisting of a broad flat slab of stone about three feet long set horizontally, and another flat piece sticking up vertically. It was a finely constructed cairn, and represented much labor. Left our names and date on a slab of board stuck on top of cairn. We could find nothing around the cairn to show for what purpose or by whom it was built. It is possibly on an island, as the bay runs a little behind the point on both East and West sides, although we did not have time to go inside to see whether there was a channel clear through.

386. 31. * S. Rock Cairn. East 9

Port Epworth. S. ¼ S. S. 5 pm

Coronation Gulf.

Sept. 30. (Thurs.)

394. ✱9. Rock Cairn, a few miles East of Port Epworth. do.

388. ✱10. Rock Cairn. do. with Chipman, Lee, and O'Neill in front of it.

Vest Pocket. Kodak.

395. ✱7. Rock Ptarmigan on rocks 11 ± 50 B.S. 5:15 p.m.

A single Rock Ptarmigan on rocky ground about 8 yards from cairn. He remained quietly sitting there until I had photographed him, and Chipman went down to the boat for a gun and shot him.

Left the Cairn island 5:20 p.m. Sun set 5:37 p.m. Calm, later a faint ripple from N.W. We had some difficulty finding Port Epworth as it got dark before we arrived there. Ran into a little bay east of Port Epworth, and narrowly missed some sunken rocks off point west of it

Port Epworth, Coronation Gulf.

Sept. 30. (Thurs.) It was pretty dark when we entered the East end of Port Epworth harbor, behind the Cache island. We passed around inside the point about half a mile before we found land suitable for camping. We anchored at 8:00 p.m., at which time it was pretty dark and cloudy.

King Eiders - several flocks of female (brown) Eiders, apparently King Eiders going west near Cairn point, about sundown.

Old squaws - a few in water.

Glaucous Gulls - occasional.

+36° at 9:00 p.m. Light WSW wind.

Snow practically all gone on hills near coast, but numerous patches of snow on granite hills farther back.

Oct. 1. (Fri.) Snowing at 6:00 a.m. Ground white with snow. Fairly strong breeze. +36° at 8:00 a.m.

Seal came up in harbor near camp. This little bay on East side of harbor is rather shoal, bottom sticky mud, with numerous stones. Water muddy. Set small mesh fish net.

Went across hills to our cache. Found the rocks removed from the front; one distillate case pulled out, and a hundred-pound gunny of flour torn open and most of the flour scattered over the rocks. About 18 lbs of flour left in one of the sacks. A 50-lb. sack of rice, 1 case of pemmican and two boxes of sugar were untouched. Probably the work of a wolverine. Numerous mouse or lemming droppings on flour-covered snow.

(Cached here Aug. 11th, 1915).

Port Epworth, Coronation Gulf.

Oct. 1. (Fri.) No mammals or mammal tracks seen today.

Raven — one flew over.

Wind strong from W N W and a heavy sea rolling in and breaking outside of island. Rather rough inside of harbor.

Oct. 2. (Sat.) Snow squalls during the night, and at intervals during forenoon. Wind hauled more to the N W, making water a little smoother inside the harbor.

+29° at 12:00 m. +35° at 4:00 p.m.

Sea water +34°

O'Neill and Cox filed up several piles of driftwood at SE end of bay. It is so late in the season that we have given up trying to go on to Bernard Harbor by boat. We shall stay in this vicinity

Port Epworth, Coronation Gulf.

Oct. 2. (Sat.) and go west with sleds as soon as the ice is strong enough for travelling

Fish — one whitefish, female in net this morning; a rather small fish with fine small roe. One fair-sized Salmon Trout in net at noon.

Walked around the little bay, and up around point of high diabase bluff to SE, and saw the mouth of Kogluktualuk River, about five miles in from outer island. The River has rather high cut banks; some small islands and rocks in bay outside of river mouth. Saw a large lake (about half frozen over) on west side of harbor with small creek valley coming out of it, down to tip of small bay on West side of harbor. Little bay at mouth of creek had ice across inner end.

Port Epworth, Coronation Gulf.

Oct 2. (Sat.) Saw no birds nor mammals. One mouse or lemming track in snow.

Wind moderated a little about 6:00 p.m., but increased again later, and blew in gusts all night. Wind NW true on hills.

Oct. 3. (Sun.) Cloudy at 6:00 a.m. Fairly strong NW wind. +24° at 6:30 a.m.

Wind died down a good deal in forenoon and shifted to NE about 2:00 p.m. then to NW again.

Packed sugar, pemmican, ice, and the residue of the flour, as much as we could scrape up, back to camp in the morning.

Swell pretty heavy on that side of the hills (NW). Saw fresh tracks of Hare, Fox, Wolverine, and Mice.

Oct. 3. (Sun.)

Glaucous Gulls - saw two young flying over.

Raven - one seen.

Seal - saw one in the afternoon.

In the afternoon we loaded boats and started out to look for a better harbor - a good place to haul up boats. Rounded point and struck a pretty heavy swell opposite the entrance to harbor. Examined two little harbors on west side of Port Epworth, near the foot of the 200 ft. high diabase ridge. There are two narrow peninsulas running to NW, with shallow bays between them. No driftwood, willows, or fresh water near, on that side, so we ran across to east side again, south of high diabase cliff. The river channel runs straight out (about NW) to a little stony island at this end of harbor, then turns to west and runs around the point

Mouth of Tree River (Kōglûktuā'lûk)

Oct. 3. (Sun.) Our launch motor kept stopping continually and it was about 5:00 p.m. when we finally camped just inside of mouth of river on right (east) bank. Came through some very fine floating ice crystals in patches near mouth of river, and there was a narrow fringe of heavy ice along edge of river.

River bank fine sand, no stones or boulders. Cleared an area just inside of edge of thick willows, about 3-4 ft. high and tied tent guys to willows. Plenty of dead willow drift along shore (windrows of small dry twigs, numerous larger branches) and plenty of standing dead willow among the bushes.

+23° at 5:00 p.m. +16° at 8:00 p.m.

Oct. 4. (Mon.). Cloudy at 6:00 a.m. Very light Easterly wind. A few snow-flakes falling. +18° at 6:00 a.m.

Heard Redpolls (?) twittering in willows.

Fish - Our fish-net was swung up against the bank by young ice drifting down river. In net were one Whitefish, one Humpback ("Kwakhluk"), and three Sculpins.

Young ice extending out only about 6-8 ft. from bank.

Strong current in river.

Willows thick all around our camp on East bank of river. Large willows also on West bank.

Started out 9:20 a.m. with launch and canoe to go to the island to get dry fish from our cache for dog food; also to get wood.

Found young ice too thick outside mouth of river and turned back, for fear of cutting through sides of boat

Tree River, Coronation Gulf.

Oct. 4. (Mon.) Launch kept bucking and had to have spark plugs changed about every hundred yards.

About 10:30 a.m. a young Eskimo named Taglut and his wife Ikkiihuag came into camp with two pack-dogs coming along the East side of the river. They said that Nuppi (our man) and several other families were camped on the east side of the river at first rapids, about five miles up stream.

Decided to run launch up to the rapids to see how the people with our dogs were getting on. Started about noon, taking the two Eskimos and their dogs along. River very zig zag, through gray clay or earth banks, from 20 to 40 feet high in places. Dolomite in place on left bank about 3 miles up. Granite hills a mile or two back on right side of river (south).

Tree River, Coronation Gulf.

Oct. 4 (Mon.). The highest mountain peak, near the rapids is 1040 ft. above sea level (J. J. O'Neill - aneroid). It is about 5 miles from mouth of river (our camp) to first rapid. Our camp is about five miles south of the island at entrance to Port Epworth Harbor.

River is uniformly deep; average width 50-60 yards. Tied boat up just above large creek mouth on right bank, just below first rapids, and walked about half a mile farther up to the Eskimo camp.

Four tents (six families).

Muppi, wife and child.
Attigariok, wife and child.
Hikka, " "
Taglek, and wife.
Kannoyuak " "
Old man, wife and child.

Muppi was absent from camp hunting caribou today. Quite a number of deer carcasses in camp.

Tree River, Coronation Gulf.

Oct. 4. (Mon.). mostly killed recently. They had killed very few if any deer during the summer, but had caught plenty of fish; mostly by spearing.

Kannoyuak's Kayak was cached on the opposite bank of the river. The hunters had used it to cross with. The river is too deep to ford at any place.

Photo 3A.

397. #1. Eskimo summer camp. 1st Rapids, Koglukturaluk.
11-1/50-Bright sun. 1:00 p.m. 100 ft.

398. #2. do. at 25 ft.

399. #3. do. Group of Eskimos.

400. #4. " Group of Eskimo tents.

401. #5. Granite Hills south of 1st Rapids, Koglukturaluk River.

Snowy Owls - saw 4 sitting on little mound near river, on the way up stream, and another on our way down.

Raven - one seen.

Tree River, Coronation Gulf.

Oct. 4. (Mon.) Water very swift in rapids, plunging down like a millrace over large stones. Started down river at 3:43 p.m. and reached camp at 4:20 p.m., stopping to oil up once. Started out to island again but ice was still too thick and we turned back.

+ 20° at 5:00 p.m.

+ 22° at 6:00 p.m.

Wind SE in forenoon, variable in afternoon.

Names of fish (local).

Hump-back = Kringatik, lit. "it has a nose" – the nose being convex.

Whitefish = Ka patri'lik.

Sculpin – Kanai'yuk.

Salmon Trout = Ekallukpek.

Kogluktualuk (Tree River). Coronation Gulf.

Oct. 5. (Tues.). Cloudy. Warmer towards noon. +32° at 1:00 p.m. Light southerly wind. Gathered a big pile of willows from beach and dead willows from the brush.

Fox-sawtracks along river; also mouse or lemming tracks.

The two men, Taglett and Akla, who came down with us in the boat yesterday showed no signs of going home last night, and we let them sleep in tent under some spare skins, which made our quarters somewhat crowded. They helped us a little this morning pulling the launch out of water. We broke the rope several times hauling, but by dragging one end of the boat at a time we finally got it well out of water on our own keel. River is falling quite a bit about a foot since we came here.

Kogluktualuk, Coronation Gulf.

Oct. 5 (Tues.) Hauled in fish net with some difficulty this morning as the floats were frozen in ice, which has formed out about 15 yds from bank. We had to take the canoe outside of the ice and break the net out with axe and paddles. In net were, 1 medium sized Salmon Trout, 2 Humpbacks, 1 Sculpin.

As the ice is floating down river in large patches, very rapidly, we took in net and hung it on the willows to dry out.

Hikka and Taglik started for home about 4:00 p.m. They said they could get home before dark.

+32° at 1:00 p.m. +27° at 5:00 p.m.

Cloudy all day. Clear sky in evening and stars shining. Faint aurora. Ice in river crushing and grinding all night.

Kogluktualuk, Coronation Gulf.

Oct. 6. (Wed.). Clear at 6:00 a.m. +7° at 6:30 a.m. Calm River frozen clear across, with only a few small open patches. Taglut and Ikkiahuag arrived about 8:30 a.m. with three dogs. They stayed only a little while and went on up to the diabase ridge NW of here for their sled which was cached last spring. They came back about noon dragging sled on snow and ice at Edge of the river

40½ Sta #6. Eskimos, Taglut and Ikkiahuag packing.

8 - 50 - B.S. 10:00 a.m.

Sled - measured: Length 4.28 meters with 58 cm.

Height of runners 30 cm.

Runners about 2½ inches wide shod with short strips of Caribou antler. Runners made of Spruce, hewed out of fresh log; and showing a strip of bark at the rounded edge. Taglut said he saw many

Kogluktualuk, Coronation Gulf.

Oct. 6. (Wed). Hare and wolverine tracks. He came back along the edge of the river ice, and on the way picked up several of our willow driftwood poles and brought them to camp.

+20° at 12:00 M. Sunshine all day.

+15° at 7:00 p.m.

Cross Fox – Mr. Chipman went out through the willow brush to the ridge east of us., and saw a large Fox, with body of a rather dusky blush color, black tail with distinct white tip.

Spermophile – Chipman saw one ~~today~~

Hares – a few tracks seen

Lemmings – saw a number of tracks.

Wolverine – tracks seen.

Wolf – tracks seen.

Ice frozen in bay out to end of island with some small patches of open water. Light SW wind in evening.

Kogluktualuk, Coronation Gulf.

Oct. 7 (Thurs.) Cloudy at 7:00 a.m. Light SW wind. +25° at 7:30 a.m. +30° at 12:00 m.

Redpolls – a small flock of Acanthis flew over camp.

+31.5 at 2:00 p.m. Light west wind.

Started for Eskimo camp at the rapids taking Buster and Denby for pack dogs. Rough deep gullies near river made me follow base of granite hills. Struck well-marked Eskimo trail about dark and followed it for some distance, supposing it lead to the camp. It soon got too dark to travel comfortably so I camped in a little willow patch, cut a bunch of brush to sleep on, made tea and slept. Cloudy, rather warm night.

Saw one flock of Redpolls.

Heard roaring of falls and supposed I was near the camp at rapids.

Kogluktualuk Coronation Gulf.

+25° at 7:00 a.m.
+15° at 7 p.m.

Oct. 8. (Fri.). Cloudy. S.E. wind at 6:30 a.m. On trail at 7:20 a.m. Found that I had gone too far away from the river and gone past the big falls, a mile or so above the Rapids.

Photo V.P.

409. #1. Falls. Kogluktualuk River. 11 — 1/50 — Bright Cloudy 8:30 a.m.

410. #2. do.

Raven Runs near falls. Arrived at Eskimo village about 9:00 a.m. People here are.

Attigiuak ♂ ca. 50. Atorunna ♀ ca. 45.
daughter Inupta ♀ ca. 5.

Ukkta ♂ ca. 40. Agak ♀ ca. 30.
son Akana ca. 5.

Itok (or Wamakaut) ♂ ca. 55. Amarunnak ♀ ca. 55. 1st wife
daughter Hanwak ca. 18.

Inupfa ♂ ca. 30 Kilaulak ♀ 40. and
daughter Mingajok ca. 7.

Taglut ♂ ca. 20. Ikkiakuaq ♀ ca. 16.

Kamoyuak ♂ ca. 22. Kiaulina ♀ ca. 20.

Kogluktualuk, Coronation Gulf.

Oct. 8. (Fri). Inupfi, Kannoyuak and Kiaulua returned - about noon, packing about the Caribou skins, fat and marrow; also some meat. They had camped out without shelter for three or four days.

I sketched map of our summer's voyage and Inupfi, Itok and others gave place names.

Anniă'lik River (Anmut = a species of fish abundant there).

Kogluktuaryuk River - the middle one of three rivers flowing into Gray's Bay.

Ūtkūsikă'luk (or Wentzell River of Franklin), the eastern of the three rivers of Gray's Bay.

Haniŭnek = Cape Barrow.

Katimani'nik = Hood River.

Tikia'ruk = Banks Peninsula.

Ikatūliă'luk = East Barry Island

Kūnūyuk = Copper, Cape Island south of Barry Island.

Oct. 8. (Fri.). As soon as the hunters came in, everybody got a handful of pieces of bone marrow, which they had brought in, cracking the marrow bones in the field. Igat cooked a potful of tongues once, and a potful of shoulders a little later. Atorniva cooked again in the morning. Each woman in camp presented me with a chunk of a few pounds of frozen caribou meat.

Mupfe says that the caribou herd is not far away but is going to the westward.

Colder in morning. Clear. Bright aurora. Strong NE. wind.

Kogluktualuk, Coronation Gulf.

Oct. 9. (Sat.). Cloudy 6:00 a.m. Strong NE wind. Snow falling very lightly. +14° at 7:00 a.m. +14° at 2:30 p.m.

Started back for home camp with Nuspa and Kannoyuak. Brought back about 30-40 lbs. of caribou meat and about 15 lbs. of back fat. As I had some difficulty with the pack dogs, Kannoyuak carried my pack roll ca. 15 lbs. Followed river more closely than on the road up, and reached camp in about an hour and a half.

Snowy Owl - saw one flying over the willow and dwarf birch fields on "nigger-head" tundra.

Looking from the hills, we could see that the bay is open to a large extent outside of the little island, broken up by the strong wind of yesterday.

Brought "Jumbo", our old leader, back to camp, and "Tutabett" follows

Oct. 9. (Sat.) on his own account. The dogs are all rather thin, but in good healthy condition. "Jumbo" wanted to go back with the natives when they went, but Tutabet ran away from them and had to be led by them.

Muffi wanted more cartridges as he has only one box, and no lead left. Issued two boxes .44's (100 rounds) to him, and one file. To Kannoyuak fifty .44's, and loosened the bullets for him so that he could recast bullets for his .45-70 rifle. Muffi and Kannoyuak are the only ones who have rifles and are supplying practically all the meat for the camp. Taglut has killed one Caribou this summer with bow and arrow. He brought a Hare down to camp yesterday, killed with bow and arrow. Taglut has two upper front teeth knocked out, he says by a bow-string snapping into them.

Kogluktualuk, Coronation Gulf.

Oct. 10. (Sun.) Light snow fall during the night, and snow falling most of the day. Light NE wind. +15° at 7:00 a.m. +16° at 3:00 p.m. Sunshine for a while about 4:00 p.m. Afterwards, snow fell again in the evening.

Raven — heard one calling

Oct. 11. (Mon.) Cloudy. +14° at 7:00 a.m. +20° at 10:00 a.m. Very little snow fell during the night. Calm in forenoon. Fairly strong NE wind on hills in afternoon, sheltered in river valley.

About 10:15 a.m. Nuppi, Kilaulak, and Taglut arrived and brought two chunks of deer tallow, about 25 lbs. in all, 1 caribou quart, 1 caribou head; also 1 pair of new caribou skin pants, 1 pr. sealskin slippers (tûktuk kaluk), and two wolverine skins with skulls and leg bones; also deerskin

Oct. 11. (Mon.) Wolverine – purchased two for specimens.

#5447 ♀ Gulo luscus juv. A small skin; which Taylut killed with bow and arrow during the summer; 1915. Paid him 25 Cartridges .44 for it. Hair rather short and thin.

#5450 ♂ Gulo luscus ad. Killed by Inuppi east of Tree River, during the summer of 1915. #

Gave Inuppi a pair of cotton pants for deerskin pants; and Kilaulut for sewing and for pair of sealskin slippers, one pemmican tin.

Snow falling during afternoon.

The Eskimos started for home about 3:00 p.m., going straight across the river on the ice. One dog, Ulurok, came back to us. Crossed river and could see no water in bay, looking from top of 15 ft. bank. Chipman and Cox crossed over and ascended to top of high dolomite ridge on

Kogluktualuk, Coronation Gulf.

Oct. 11. (Mon.) west side of river and saw water (or mush ice) at both ends of the big island. Some ice and some water seen to outside of island. Many Fox, Hare, and Lemming (or house) tracks all through the small willow brush. Saw one weasel track. Have been unable to catch (or even see) a single specimen of mouse or lemming although I have traps out, and there are abundant tracks.

Slate-colored Juncos - about 5 this pm. a little bird fluttered out of the willows near the tent, about ten feet away, and began pecking at grass seed tops. I thought it was crippled and chased it. It would fly only 6-8 ft. at a time, and paid very little attention to me. I finally shot it. It was very thin and poor in flesh, which accounts for its apparent weakness.

542. ♂ Junco hyemalis hyemalis.

Kogluktualuk, Coronation Gulf.

Oct. 12. (Tues.) Cloudy a.m. +13° at 8:00 a.m. Light SE wind. Nothing in mouse traps. +14° at 5:00 p.m. Cloudy. All hands turned out and carried in a big stack of willow wood:

Lemming— Mr. Cox saw a grey mouse or lemming in the willow brush in small gully on the west side of the river. Mr. Cox took my picture today when sun came out for a few minutes 4 to 5 PM p.m.

Oct. 13. (Wed.) Clear a.m. +18° at 7:00 a.m. Light southerly wind. Cloudy most of day. Nothing in traps.

Oct. 14. (Thurs.) Cloudy a.m. +24° at 10:00 a.m. Snowing all day. N.W. blizzard in evening. Stayed in camp all day.

Kogluktualuk, Coronation Gulf.

Oct. 15. (Fri.) Cloudy a.m. +17° at 8:00 a.m. Calm. Snowing in afternoon.

Savanna Sparrow - Mr. Lot picked up a dead Savanna Sparrow on top of the fresh snow near tent this morning. Usual tracks all around tent and feathers on throat ruffled, but I could find no marks on the skin.

*543. ♂ Passerculus sandwichensis alaudinus. Aguk and Nikka had doubts about its name, but decided it was Hik'kinirk'ta'yuk. They say it sings: "Hik'kinirk-pik-pik-pik-pik'kani'tjuk"

Oct. 16. (Sat.) Clear. +8° at 7:00 a.m. Very light southerly wind; practically calm. +5° at 5:00 p.m.

Went out to island after sled. A wolverine had got into Muffa's cache and taken a little fish, but not much. Our cache was untouched. Saw a wolverine crossing ice from island to mainland.

Much open water and young ice close to outside of island.

Oct. 16. (Sat.) Saw one Seal in the open water. Walked out to island from camp at mouth of river 9:00 a.m. to 10:15 a.m. Returned 12:00 m. to 2:00 p.m.

Old squaws saw one flock of about a dozen fly from open water near island.

Brought back two balls of dry fish from the cache. Muffa brought back all his gear.

Most of the natives (except Muffa's and Ikkta's families) moved down from the camp at the rapids and set up their tents near us. They brought pretty heavy sled loads, coming along on the ice at edge of river, all hands (men, women, and dogs) pulling in harness.

Each of the families presented us with one or more fish when they came in. From Kamoyuat I obtain ham (mimirk) and some fish and

Kogluktualuk, Coronation Gulf.

Oct. 16. (Sat.). caribou fat from Stok; & fish from Attigerat's outfit, several fish from others.

Stok has a new sled, which he was making when I was up at the camp. It consisted of two large sticks of green willow about two inches in diameter and about 8 feet long (cut near the rapids), for sides of sled, with short green willow sticks lashed across to form a sort of ladder. The runners were built up on this, of tundra moss, mud and water, and coated with ice. It made a very serviceable sled, capable of carrying several hundred pounds. All the people had heavy loads — large pails of frozen fish, caribou carcasses, caribou heads, numerous stone lamps, pots, and miscellaneous camp gear, including caribou skin tents.

Oct. 16. (Sat.) Itok (whose other name is Uamakaut) with his wife Amauramnak came across country from the Anniaktk River to the Hoglukturaluk River, during the summer. They have a little girl named Hamwak (ca. 10 yrs. old) with them (the daughter of Attigeriak). Itok says there are four men (three tents of people) on the Anniaktk this summer, named:

Mia Koplok ♂, Kahinga ♀ (wife) and two children.

Kirkpak ♂, Kungittok (wife) and one child.

Ihungʻok ♂ Krunigaulik (wife) and two children.

Ipiaktok ♂ (no wife).

Muppa took four of our dogs and both sleds and went up the river to get his outfit, saying he would come back tomorrow.

Clear all day. Sky overcast at 8 p.m.

Kogluktualuk, Coronation Gulf.

Oct. 16. (Sat.) Photo 3A.

413-14-15. #4-5-6. Sleds arriving at camp. 1st (Attigeriak's), 2nd (Itok's), 3rd. Kanuyuak's.

416- #7. Kanuyuak's Kayak on sled.

417-418-419. Eskimos making camp. Kogluktualuk River.

Oct. 17. (Sun.) Cloudy NE wind and snowing a little. +16° at 7:00 a. m. Snowing a little during most of the day.

People in this region are called Ut ku'sik a lig'miut. Uttuaq is pot. One of the best quarries for the soft potstone (talc chlorite schist) is about a mile west of the mouth of the river, where it is found in the shape of large intrusions in the granite. Cx and O'Neill say that Lord Dunmore the natives chopped

Oct. 19 (Sat.)

out many large blocks with axes, and it was only a matter of about a days work to make a large lamp or pot. Most of the smoothing and polishing is done with rough pieces of sandstone. When I was in Coronation Gulf in 1911 with Stefansson one of the natives who was selling a pot said it was very valuable because it took most of a mans spare time for a whole summer to finish up a pot. This statement showed some commercial instinct.

Stef saw long ago one white man named Ihi'matog (Hanbury); he had two Eskimos with him whose names were Hanni'kiag and Attangala. He had also seen Capt. Joe Bernard at the Teddy Bear later at the Kogarynak Inuffa also saw Hanbury.

Koglukt[illegible]aluk, Coronation Gulf.

Oct. 17. (Sun.) Three sleds wind up to the camp at the rapids today to haul down caribou meat. Muffa and Hikka moved down with their families.

Weasel— Kannoyuak caught a weasel today in a large (No. 4) trap. Fur pure white, with tip of tail black.

Oct. 18. (Mon.) Hazy bright morning. +15° at 8:00 a.m. Calm. + 12° at 5:00 p.m. This was my day for cooking. We cook one day at a time in rotation.

Bought 3 small stone lamps and one small stone pot — for 1 Aluminum plate (Ikticheaq.).

1 pair deerskin boots (mitkolet) for an aluminum cup (Atorimo.

1 pair sealskin slippers (tuktuktalit) for 1 coffee can, 1 pr. for a little knife, 1 pr. for a spoon (bone ugut).

Kogluktualuk, Coronation Gulf.

Oct. 18. (Mon.) Chipman and O'Neill walked across the bay in the afternoon and picked up a sled load of driftwood. Cox fixed up dog-harness.

Went out through the willow brush in the afternoon, but saw nothing but one fox-track. Recent snows have obliterated all old tracks. Cloudy all day. Sky cleared up some in the evening.

Raven - saw one.

Kogluktualuk, Coronation Gulf.

Oct. 19. (Tues.).

Cloudy a.m. +10° at 8.00 a.m. No wind

Kannoyuak started building a snow house this morning. He packed down a lot of snow yesterday by tramping upon it so it would freeze hard enough to cut into blocks. Very little snow is drifted hard enough to cut into good building blocks, although all the tents have wind shields built around their doors. Their tents are fairly comfortable when seal oil lamps are burning.

Kilaulak made a pair of deerskin boots for Chipman but they were too large, so Cot took them and Kannoyuak's wife made another pair for Chipman. (Paid 25 cartridges - 44).; also one large file to Kannoyuak for a deerskin to make pants for O'Neill.

Kogluktualuk, Coronation Gulf.

Oct. 20. (Wed.) +14° at 8:00 a.m. Cloudy. A few snow-flakes falling.

Trades - Yesterday Agut made a pair of long inner mittens out of two summer skins of Cariboo fox, for O'Neill. Had 1 block needles, 2 needles.

Yesterday Chipman bought a pair of long deerleg mittens with short inner pair from Ittigeriat for one aluminum fork. Kaulma bought one a pair of sealskin slippers, fit for one red coffee can with lid.

This morning Stok, the old man from Anniclet River, came over to our tent before we were up and presented us with four small cubes of Caribou back fat (one apiece), said he was starting out this morning to go to the Anniclet River with his wife to get his big sled which he left there last Spring. They are coming back here again. The small girl Hannah, about 7-8 years old the daughter

Kogluktualuk. Coronation Gulf.

Oct. 20. (Wed.) of Attigeriak, who has been with them the past summer, and with them. The little girl is quite good-looking, with large, light brown eyes. Her father Attigeriak is the chief man here.

Attigeriak has eyes of a grayish or greenish brown color, with tiny dots of blush in the iris. His moustache is a rather light brown, and he has quite a beard of a dark brown color; hair black; a large, powerfully built man about fifty years of age.

Cut a series of holes in the river ice about six feet apart, ran a line under the ice and set small net under the ice near the middle of the river. Ice about 5½ inches thick; water about twelve feet deep. The Eskimos here had never seen a net set under the ice. In fact the first net they had used at all was the one Klutsa got from us last spring.

Kogluktualuk, Coronation Gulf.

Oct. 21. (Thurs.) Cloudy. Light northerly wind. +12° at 7:00 a.m.

Hauled net from under ice in the morning but found no fish in it. The current is pretty strong and probably dragged the net down stream at too much of an angle.

Norma finished up a pair of deerskin pants for O'Neill. Paid her a small aluminum pail (part of Jap. mess kit).

Oct. 22. (Fri.) Cloudy. Light southwesterly wind. +10° at 8:00 a.m. Cooked again today. Finished all our good flour today, and started in on flour which was spilled by wolverine. It was a little tainted by gasoline or distillate from a leaking case in the cache.

Hauled up fish net from river, had no fish in it. Current is apparently too strong and drags net down stream.

Kogluktualuk, Coronation Gulf.

Oct. 22. (Fri.). Took skin cover off the umiak today

Caribou — Arranged with Hanmoyauk to purchase two Caribou — one cow and one fawn. He had skins with heads and legs unskinned. He is to deliver them at the station at Bernard Harbor, to be paid two boxes of .44 cartridges for each of them delivered.

He also is to bring up his Kayak, a fine specimen of Kayak which is rather rare in this region. He wants powder, lead and primers for the Kayak.

Clear in evening. Bright moonlight — 1° at 7:30 p.m., the first time we have recorded "below zero" weather this fall. Light southwesterly breeze, and pretty sharp.

Oct. 23. (Sat.) Clear. +8° at 7:30 a.m. Calm.
+10° at 3:00 p.m. 0° at 5:00 p.m.
+3° at 7:30 p.m.

All the natives except Inuffa are packing up this morning and moving out to the little island at the entrance to the harbor, where their blubber is cached. They started about 9:00 a.m.

Light SE wind most of day. Clear. full moon. Loaded umiak frame and cover and three sealskin poke on Nome sled and started for the island 12:25 p.m., arriving there 1:40 p.m., having several dog-fights on the way. "Target" was particularly aggressive, and whenever the dogs ahead sluiced up traces enough for him to jump one of them, there was bound to be a mixup.

Arrived at the island at the same time as the natives, although they had started two hours

Kogluktualuk, Coronation Gulf.

Oct. 23. (Sat.). ahead of us; but they made frequent stops. The ice all around the island had apparently been broken up since we were here last. Ice along shore rather rough outside of island; shelf of ice along shore not very wide, with mostly open water to north and northeastward.

Wolverine - a wolverine had made a large hole into the northwest corner of our stone fish cache, by pulling out several large rocks and taken out a whole large bale of fish (about 100 lbs) from the west end of cache. Number of tracks of both wolverine and fox around cache.

Picked up a sled load of driftwood around the little bay where we camped Sept. 30th.

The Eskimos started building snow-walled houses on the land on S.W. corner of island, near their stone blubber caches, using skin roofs for some of

Oct. 23. (Sat.) the houses. Took some photos today as sunlight was bright, and it has seldom been good weather for photographing this fall.

3A-418. #1. Little boy Akan'na (son of Ikkia and Agak) playing on ice. 8-1/50 - Bright sun. 3:30 p.m.

419. #2. Ikkia's house, half completed. Agak in doorway.

420. #3. Ikkia beside his snowhouse.

421. #4. Attigeriak and Atorniua building snowhouse.

422. #5. Attigeriak, full length, at 15 ft.

423. #6. Kamoyuak's sled loaded, with Tagak on top.

424. #7. Kamoyuak and Kaulnia building snowhouse.

425. #8. Teglut building snow house.

426. #9. Ikkia's wife building snowhouse, packing snow-blocks.

427. #10. Port Epworth harbor island from south.

Kogluktualuk, Coronation Gulf.

Oct. 24. (Sun.) Cloudy. Light snow falling at 7:30 a.m. +10° at 7:30 a.m. Put new sealskin and Ugyuktuk lashings on sled stanchions to replace those gnawed off by wolverines. Nuspa went up on the hill to get earth to make frozen runners for the boat sled. He brought back a pail of dark brown muck or loam with partially decayed grass roots intermixed, somewhat damp stuff, but unfrozen. He scooped out a little basin in the ice, crumbled the loam up finely, mixed it with ice water from the river until it was about the consistency of putty and then plastered and patted it on to the runners by hand. Then he let them freeze, after which he shaved them off smooth with snow knife. An ice coating (or shoeing) is to be applied later.

Light snow falling most of the day. Very light westerly wind.

Oct. 25. (Mon.) Cloudy and calm at 7:30 a.m. +40 at 8:00 a.m. +8° at 12:00 M. Very light westerly wind.

Ravens – saw two

Loaded up stuff to be cached on island. Made an ice-pick of a large file.

Oct. 26. (Tues.) Cloudy. Calm. +6° at 7:40 a.m. +8° at 1:60 p.m. +4° at 4:00 p.m. +3° at 5:00 p.m. Light SE wind all forenoon, rather strong in afternoon and evening.

Took a sled load of stuff out to the island at entrance of harbor.

3 distillate cases (two cases of bones, one of small skins),
1 Ramsay biscuit box of skins,
1 box of stone lamps.
2 cases geological specimens (Okkalos).
3 small tents. Cached in 3 rock caches.
Peterboro canoe and Evinrude at Camp at Cache.

Kogluktualuk, Coronation Gulf.

Oct. 26. (Tues.). This island is a very good place to make caches. The whole western end is a mass of slabs of loose flaky slate of any size or thickness desired. We made very strong slab caches, box-shaped, with slabs of slate tightly wedged in.

The Eskimos here all have complete dome-shaped snow roofs on their houses now. They are making their caribou skin winter clothes now. Both men and women work at scraping skins. Houses are comfortable, warmed with seal oil lamps. Had a little lunch in Uktak's house. Fish and caribou meat were boiling in the same pot.

Wolverine - Kamoyuak has caught two since coming ashore on the 23rd; in traps near our fish cache on the island. Saw fresh tracks on the ice on our way out.

Kogluktualuk, Coronation Gulf.

Oct. 26. (Tues.)

White Fox - Kannoyuak has caught one since the 23rd, Taglak 2, Hetka one.

Ravens - saw two today.

Gave Attigeriak my deerskin coat. Atorineo, his wife, gave me a pair of deerskin boots.

The water is perfectly fresh all around the south side of island. The natives get their drinking water by cutting holes in the ice.

Milpsa is going to the station with us, and will come back here with Kokotlok's big sled later, and bring on the stuff we have cached here.

Loaned Kannoyuak the 10-gauge repeating shotgun to be returned when he comes to the station in the lumber. Gave him two boxes of shells.

Kogluktualuk, Coronation Gulf.

Oct. 27. (Wed). Clear. Light SW winds. + 10.5 at 6:00 a.m. Wind stronger in evening. Weather getting foggy at 3:00 p.m. + 3° at 5:00 p.m.

Got ready to start for the station at Bernard Harbor this morning.

Cached at camp, in willows a little back from Edge of willows.

2 cases distillate, + ½ can distillate
½ can coal oil (ca. 2½ gals)
½ " Cylinder oil.

Some empty boxes and a stack of driftwood.

In launch - anchor, some tools in tool boxes.

Green linen tent 8'x8' and pole.

2 fish nets.

On trail 11:25 a.m. Reached west end of bay 12:40 p.m. Crossed a low grassy portage to big lake finding rather hard pulling with our big loads. Reached lake 1:12 p.m. Stopped for a little while, and

Oct. 27. (Wed.). had a drink of water (Inuffo cut a hole with ice spear). Lake is long, and rather narrow with a bend near western end. Said to be a good fishing lake for Lake Trout.

Heavy Fog and Hard Hatha.

Started west along lake at 1:40 p.m., and travelled pretty well. Passed one slushy snow area near long crack in the ice: Weather began to get foggy and wind increased about 3rd p.m., and as Inuffo said we could not reach the coast tonight over the portage at west end of lake, we camped at point on north side of lake. Packed down two bundles of dead willows from a patch about half a mile away, on hillside. Only a very few small patches of willows around this lake. Inuffo made a snow wall house, roofed with Green cloth.

Coronation Gulf. west of Point Ellsworth.

Oct. 28. (Thurs.) Cloudy a.m. Strong west wind and snow drifting. +4° at 7:00 a.m. +5° at 4:00 p.m. On trail 9:25 a.m. Reached end of lake 9.55 a.m. Ascended low grassy slope, to SW, and then to NW around crest of low hills, then about two miles down the coast — the latter part of the way following a deep creek gully (flooded in places), at the mouth of which I camped (with J. Bernard May 31, 1911). The portage from the lake is about three miles across. Exposure of pointe near Cape Peuchen coast about 12:45 p.m. Ice rather rough, thin broken slabs.

By going across the lake portage we have saved several miles of travel. We, however, have had to go well out along the coast around the long headland point, and the ice seems to be pretty rough.

Snowy Owl — saw one.

Coronation Gulf, west of Port Epworth.

Oct. 28. (Thurs.) Snow Bunting – a Snow Bunting, winter plumage, alighted within ten feet of our sled while we were resting on top of the divide.

Some small lakes and ponds on the grassy top of divide.

Going west along the coast we passed a few small granite islands. Quite a bit of driftwood in little bags on gravel beaches. Almost every little nook gathers a few short sticks.

The two islands three or four miles outside, Co. N 70 W of Port Epworth are called Agvillak.

A small, high round rocky island off shore, several miles ahead is named Ah'nirk. (Passed near this on north side in April 1911.)

Two islands ahead of us, near shore (diabase top) are Ukuan'na and Had'lirk. [Hadlerk is really a cape.]

Wind shifted to NW after 6:00 p.m.

Coronation Gulf; Hadlick, Iwitkatuk.

Oct. 29. (Fri.) Clear. Light SW wind. -10° at 6:30 a.m. Fair daylight at 6:30 a.m. Sunrise 8:30 a.m. On trail 8:45 a.m. Reached a high basalt cape called Hadlick about 12:00 M. Melted water on primus stove for drinking, as ice runners of Nuppa's sled which were being worn away by wet salty slush on top of ice.

Passed a long, rather low island about five miles long, about 1-½ miles off shore, named Kaiaktellik.

Reached another point a little west of Kaiaktellik about 2:40. Skirmished along the coast for about a mile & found wood enough for camping and suitable wood for Nuppa to build a house.

Camped near the above point, named Iliit Kaluk at 3:30 p.m.

Very light SW wind all day. Clear sky. -1° at 12:0 m.
-5° at 4:30 p.m.

Ravens - Normal Glen.

Coronation Gulf, Hadlirk, Ihuit Kaluk.

~~Kogar~~

Oct. 29. (Fri.)

Seals - saw numbers of seal-holes in young ice; little holes with five or six pieces of ice about 2 inches thick, lying on ice around hole, forming a circle, apparently formed by the seal thrusting his nose up through the young ice.

Kōgarýūak River.

Oct. 30. (Sat.)

Slightly cloudy. -2° at 6:00 a.m. On trail 9:00 a.m. +8° at 4:00 p.m. We reached a cape at 9:55 a.m. N.E. of mouth of Kogaryuak River. There are two large islands named Akshak tuaýuk, some distance to NW. off the mouth of Kogaryuak river.

Mupfa says there are two rivers named Kōgarýūak, the larger one here, has plenty of fish (Salmon Trout). and Caribou numerous here in spring - going north.

Coronation Gulf, Kōgaryūak River.

Oct. 30. (Sat.). The smaller river west of this one (when Capt. Jos. Bernard wintered with schooner "Teddy Bear" in 1910-1911), is also named Kōgaryūak.

Caribou — saw fresh tracks of two Caribou coming in from the ice. A little later after rounding point, saw a cow and a fawn on low land on coast just East of the river valley. They followed us, and on the ice for about a mile, evidently mistaking us for other Caribou, then were frightened by dogs barking, and headed inland. About 12:00 m. saw more fresh tracks going in from the ice, and saw fourteen Caribou feeding on a sloping hillside near the coast, just below the crest of a low distant ridge running parallel with the coast.

Ice rather rough in places but we had fairly good, smooth going on the whole.

Coronation Gulf, Kogaryuak River.

Oct. 30. (Sat.) Wolverine — saw several fresh tracks on the ice, and some Fox and Weasel tracks.

Cloudy in morning. Very light snow-flakes falling. Cleared slightly about 9:00 p.m. Light SW wind.

Oct. 31. (Sun.) Cloudy 6:00 a.m. Very light snow falling +4° at 8:00 a.m. +5° at 4:30 p.m. Snow falling all day. SW breeze veering Outgoing 9:07 a.m. strong most of day. Passed long stony point about 11:00 a.m. Passed the two Ak Shaktuayuk islands in afternoon. Camped at 3:45 p.m. on low stony island a little East of mouth of the little Kogaryuak River (Capt. Bernard's river).

No Caribou tracks seen today.

Coronation Gulf, Mouth of Kogaryuak R.

Nov. 1. (Mon.). Slightly cloudy. Very light NW air +4° at 8:00 a.m. +2° at 4:00 p.m.

Hazy and foggy all day.

On trail 9:00 a.m. Crossed bay outside mouth of Kogaryuak river, and reached outside of high basalt island (basalt overlying sandstone) at 9:55 a.m. Recent Eskimo camps on island and many sled tracks. One large cache of skins, etc. on top of a pinnacle rock near edge of bluffs. Old, sticky, gummy seal oil on many rocks. Muffi said that many Eskimos had cached their winter gear, and seal blubber here in the spring, that they had come back this fall, taken their stuff and gone back to the mouth of the Coppermine River again.

Wolverine - fresh wolverine and fox tracks all around cache island.

Arctic Hare - Muffi shot a white Hare which was crouched among rocks on talus slope on north side

Nov. 1. (Mon.) of the Eskimo's. Cache island.
Kept on going west until noon, keeping outside of the shore islands. Then we wanted to go on straight NW through the numerous islands to Cape Kendall, but Muffa said he was nearly out of seal oil for his lamp. He said he could cache his stuff on island ~~and~~ walk west to the Eskimo camp, and pack back enough oil today. I thought it would be too far to get back today, so we all kept on toward the west. Camped at 1:45 p.m. after coming about 9-10 miles today; stopping on a low stony point where several Eskimos had camped recently. Numerous bits of skin, old clothing parts, mittens etc. all around. Plenty of good driftwood here. Decided to stay over here tomorrow, let Muffa go on to the Coppermine River tomorrow to get seal oil, and then go on towards Cape Kendall the next day.

Coronation Gulf, east of mouth of Coppermine

Nov. 1. (Mon.) Caribou — saw one fresh track on the ice in the afternoon.

Raven — saw one at Cache island and one near camp this afternoon

Nov. 2. (Tues.) Light snow fell during the night. Cloudy and hazy at 7:00 a.m. Light NE wind. Sun came out a little at 10:00 a.m.

Nuppa and family started for the Coppermine River about 8:30 a.m. About 12:00 m. four Eskimos (Komerik, his wife, ——, and two boys came back along the trail with Nuppa's sled and seven fresh dogs. They said that many people were camped on island not far away to the northwest and wanted us to come over. Komerik told us that "Mcey" and a Kablunet (white man)

Nov. 2. (Tues.) named "Peliu" (Mr. Blue?) had been there and gone back to the "igluput" at Bernard Harbor three days ago; that the ship had come back there, and there were now two igluput. All very welcome news to us, as we had always feared there was a chance that the "Alaska" would not get back, leaving us without a ship.

Left camp at 1:50 p.m., the natives taking Nuppa's sluff. Mr. Kokoktok about halfway with Nuppa's dogs. Kokoktok said he had not killed many Caribou this summer in the Kent River country, but he had killed a few, also one Barren Ground Bear and one Wolf. He said Akutsonk had killed many Caribou this fall.

Ki'parktok'tuuk - the name of the first little river East of Coppermine. It has a few little spruce trees on it.

Coronation Gulf. Islands off Coppermine R.

Nov. 2. (Tues.) Reached the Eskimo village about 4:30 p.m. Several men, boys, and girls came out about half a mile to meet us. They "helped" (?) us put up our tent, and nearly crowded us out of it as soon as it was up, so that it was pretty difficult cooking supper. We had brought a few sticks of wood along from our last camp. The natives crowded in the door so that hardly a breath of fresh air could get into the tent. Went over to Ulurgaak's tent for a while, a big deerskin lodge with snow walls, and several families living in alcoves in it. Dancing was continuous in this tent until 10:00 p.m. or later. They have a big drum, parchment stretched over a heavy hoop about 3 feet in diameter, with a handle like a frying pan, at one side. The dancer grasps the drum with the left hand, and crouching, rotates the handle

Nov. 2. (Tues.) so that he strikes alternately on one side and on the rim. Homeark showed me blisters on his hands today, produced by the drum. While the central figure is pounding the drum and pirouetting around, the other people form a close circle and chant or howl the songs and refrains. They seem to be well fed, as I saw several refuse pieces of fresh boiled meat. The man Iobon Uluksoak stabbed last year seems to have made up with him again. He told me that Uluksoak was a very good man, who had killed many Caribou this fall, and many of the other people had killed none and would be hungry if Uluksoak had not given them plenty of meat then and now.

Homeark killed several Caribou in the summer with bow and arrow (tuvgahunnik", he said. He has

Coronation Gulf. Islands & Coppermine R.

Nov. 2. (Tues.)

a 38-55 rifle, but no ammunition

Went over to Komerk's house & see a "mat perak" which he said "Pelit" had written. It turned out to be some script characters, alphabet, etc, with Komerk's name. The paper was a single large journal leaf, with Jarvis's French-Eskimo vocabulary, with definitions neatly written in fine French script (all the French words in "L").

Caribou - the Eskimos here say that the Caribou have not yet come down from Victoria Island but they will be here pretty soon. Practically everybody is out of cartridges however.

Clear and cold in morning.

Coronation Gulf, Islands & Coppermine River.

Nov. 3. (Wed.) Clear. Bright sunshine from 8:30 a.m. to 3:10 p.m. Very light easterly wind, scarcely perceptible.

Photos 31. Took a few in morning.

Tried to count the houses in village, but there were so many double houses and others with side rooms and stonehouses attached, that I could not be very sure of the correct number. Counted 23 houses, occupied houses, some of which have two or three families in them.

Inuppa bought one dog (Kupatiinna) for 1½ boxes .44's. He also took two of his own pups along, and his own big sled. Ulukvaat will bring along our boat sled when he comes to the station bye-and-bye.

Coronation Gulf, Islands & Copperminer R.

Nov. 3. (Wed.) On trail 8:50 a.m., heading toward island about three miles North (SE. of Cape Kendall). After getting beyond the island passed through three or four miles of rather rough crushed-up ice, but struck fairly smooth going after passing the small island off Cape Kendall. Headed for Cape Heame, keeping well off shore. Saw tracks of white man's sled (runners iron runners, the native's sled runners are broad and rounded). Camped on the ice at 3:10 p.m. Muffa made a house of ice blocks laid flat, with cloth roof. Cooked on Primus stove (my day to cook today) - Cambon steak and rice-and-pemmican "hoosh".

Cape Kendall is named Im ne lūg'yuak.

Wolverine - saw one going East through rough ice in forenoon.

Raven - one flew over.

Wolf - large fresh track on ice.

Coronation Gulf. Cape Kendall.

Nov. 3. (Wed.) Caribou — saw a bunch of first Caribou tracks going southwest from the direction of Duke of York's Archipelago towards Cape Kendall. +4° at 8:30 a.m. +5° at 4:00 p.m.

Cape Hearne — Basil Hall Bay.

Nov. 4. (Thurs.) Cloudy all day.. light NE wind all day, rather strong in the evening. +3° at 7:00 a.m. +10° at 12:00 m. +5° at 4:00 p.m. On trail 8:30 a.m.; followed old trail between two strips of rather rough ice, and reached Cape Hearne at 1:45 p.m. Low point, red and green shingly shale; high black cliff about 3/4 mile inland, running northerly to Basil Hall Bay. Crossed Basil Hall Bay and camped 2:30 p.m. on north side of bay. Found some wood.

Wolverine — fresh tracks.

No Caribou tracks seen today

Coronation Gulf – Basil Hall Bay to Point Lockyer.

Nov. 5. (Fri.)

Strong NE wind during the night. Cloudy 7:00 a.m. +10° at 9:00 a.m. +3° at 5:00 p.m. On sled 9:20 a.m. Snowing slightly. Picked up some wood at Hey's old camp, also a new red pemmican tin. The man Kiguina who attached himself to Muffa's sled to go to the station, from the last Eskimo village went over on the sled today and brought a stick of wood out and put it on our sled. Said he wanted to be paid cartridges for it when we got to the Kiglupuk. Of course he comes in our tent for regular grub, and to drink water melted on our fire, as well as to get warm and dry his clothes. It may be that he is acquiring civilization.

Approached two islands SW of Point Lockyer named Innoerngyirk. Kept rather close to the coast, but did not see any approach to

Nov. 5. (Fri.) the "long portage" across the Cape Kruesterne peninsula, that looked good to us. The ground appeared very stony everywhere. Weather was rather foggy and we could not see far.

Two islands about south of Point Lockyer are called Immiligayuk Kun.

Point Lockyer = Tikerak.

Camped on a small boulder point about a mile west of Point Lockyer. Camped 3:30 p.m. Fairly strong north wind.

Caribou sand fresh droppings on the ice today.

Dr. Jenness says the islands Innuitrayuit (meaning that there were formerly people there, but not now). were named because a number of Eskimos died there (starved?) a long time ago.

Point Lockyer – Cape Krusenstern.

Nov. 6. (Sat.) Strong NNW wind in morning. Snow drifting (pirktak – a blizzard). +4° at 9:00 a.m. +6° at 5:00 p.m.

On trail 9:35 A.M. Rounded Point Lockyer soon after. Ice pretty rough all along shore, crushed-up young ice. Passed along shore of small bay between the first two dolomite cliffs. Plenty of good driftwood along foot of second cliff, on gravel beach. Set up several poles here. Reached east end of "short portage" in deep bay south of Cape Krusenstern at 2:50 p.m. Crossed portage, a little north of where we went across last spring, and reached west side of bay and camped 4:10 p.m.

Arctic Hare – saw and run across stony ridge between Point Lockyer and Cape Krusenstern.

Nov. 7. (Sun.). Blizzard in morning, worse than yesterday. Wind about North west. Snow drifting badly. Stayed in Camp all day. We had a few sticks of wood, and kept Primus stove burning a good part of the day +7° at 11:30 +4° at 4:00 p.m. +2° at 6:00 p.m.

Nov. 8. (Mon.). Sky clear at 6:00 a.m. Wind NW and snow still drifting some along the ground, but much less than yesterday. +1° at 8:30 a.m. Sunshine clear and bright during day. Sun set about 2:45 p.m. −10° at 5:00 p.m. Very light NW wind, almost calm Aurora in evening.

Caribou — As we were breaking Camp, five Caribou appeared, coming from the north, and crossing the bay West of us, about half a mile away. O'Neill went out to try to head them off,

Cape Krusenstern – Cape Lambert.

Nov. 8 (Mon). but the dogs "Nuke" and "Ikkekema" ran out and scared the deer so that they circled back to northeast again. A little later we saw seven more going south on bay between us and Cape Lambert. One of the dogs soon came back, but "Nuke" did not catch up until we were half way to Cape Lambert.

On trail 9:35 a.m. Reached Cape Lambert cliffs 11:55 a.m. (Ten minutes crossing bay in straight line); rate 2¾ miles per hour, paced by K. J. Chipman.

Reached the next point, a stony boulder point at 2:30 p.m.

At the next little point in the bay where the dead Eskimo was laid out by his friends last spring. We found nothing left but a few scraps of caribou skin clothing. Saw many Raven tracks here and one Raven. Camped near Ikey's old camp at 3:10 p.m.

Dolphin and Union Strait.

Nov. 9. (Tues.) Clear overhead at 6:00 a.m. Light South East wind (Nigiork, general name for Easterly wind). Cold morning, and inside of tent well frosted up, although we found quite a bit of wood here, and had a good fire. Left some wood stacked here.

On trail 7:48 a.m. Good light. Sun rose 8:50 a.m. Passed low stony island 8:45 a.m. Lunch East of bluff point 11:00 a.m. Passed East End of Chantry Island 12:40 p.m., and passed Klutsak's Cache (South of West end of Chantry Island at 1:55 p.m.

Clear in afternoon, and sun shining, but wind stronger than in morning. Snow drifting along the ground.

Arrived at the house at Bernard Harbour 2:10 p.m. We could see the masts of the Alaska for some

Bernard Harbor, N.W.T.

Nov. 9. (Tues.) distance, although the house and tents did not show up until we came through entrance of the harbor. Mr Johansen met us on the beach and said that everything had gone well here. His first news was that there was a general war in Europe, and that part of the Karluk's crew had been saved, but Malloch, Mamen, Murray, Bendad and Mackay, are dead.

The "Alaska" got back to Bernard Harbor from Herschel Island Sept. 5th. unloaded cargo. The El Sueno came in Sept. 7th with some auxiliary supplies and started west again Sept. 9th. The "Alaska" started out again Sept. 13th and went to Stapylton Bay to look for wood, but did not find much, and returned to the harbor 6:00 p.m. Sept. 14th. Mr. Johansen went along on this trip and got some valuable deep sea dredging in the Strait

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Nov. 9. (Tues.) Corpl. W. V. Bruce, Royal North West Mounted Police, came in on the "Alaska" to conduct some investigations among the Eskimos in regard to the disappearance of two French R.C. priests from Fort Norman who disappeared in the spring of 1913, and are suspected of having been killed by Eskimos. Corporal Bruce left here with Stag Oct. , and went as far as the village near the mouth of the Coppermine River, returning to the Station Nov. 4th. Captain Dan. Sweeney left here Nov. 5th with his wife Eunice, and three Eskimos (Ebbrea?) huts, crossing to Liston and Sutton Island. His intention was to cross to the Victoria Island side and follow the Victoria Island side through the Straits, and then cross Coronation Gulf to Tree River to look for signs of our survey party.

Bernard Harbor, N. W. T.

Nov. 9. (Tues.)

Data from Capt. Swilley, master of Alaska:

Ice left beach at Baillie Island 5:00 a.m. July 10, 1915, and the "Alaska" got out of the harbor at 9:00 p.m.

Arrived at Herschel Island July 13th, seeing only a little ice, near shore at Long Point.

Other vessels arrived at Herschel Island as follows:

Polar Bear, Louis Lane master. Aug. 3, and went East.

Gladeator, F. Wolki, master. Aug. 4.

Fort Mc Pherson (H.B. boat), from home, J. Hadley master, Aug. 13.

Ruby - S. F. Cottle, master Aug. 14.

Anna Olga - M. Anderson, master — /

El Sueno. A. Allen. Aug. 20th.

"Polar Bear" came back to Herschel Island again, having touched at Cape Kellett and found all well there. V. Stefansson had chartered the "Polar Bear" to come

Bernard Harbor, N.W.T.

Nov. 9. (Tues.) back to Herschel Island.

"Alaska" left Herschel Island to go east Aug. 22nd. at 2:00 p.m. Arrived Baillie Island Aug. 23rd at 5:00 a.m. The "Fort McPherson" arrived at Baillie Island Aug. 28th, and H.B.Co Established a trading station there.

"Alaska" left Baillie Island Sept. 1st in company with the "Athon", the missionary boat, and the "El Sueno". The "Alaska" arrived at Bernard Harbor Sept. 5th, and left again Sept. 13th, to Stapylton Bay and returned Sept. 14th at 6:00 p.m.

The "El Sueno" arrived Sept. 7th, and started Sept. 9th to Victoria Island side to look for Caribou, returned and started west Sept. 17th, but returned Sept. 20th with broken rudder. The El Sueno finally went west Sept. 22nd intending to winter at Pierce Point.

Bernard Harbor froze over for first time on Sept. 22nd.

Bernard Harbor, N.W.T.

Nov. 9. (Tues.). The "Alaska" started out from the harbor Oct. 6th, breaking through the young ice. Strait was open outside and she went nearly to Cape Lambert, but much ice was forming fast and she came back.

A large addition to the house was built, and sodded over.

Seals - about twenty were killed during the fall, and there are about ten in the cache now.

Fish - nets have been kept under the ice in the lake (14 ft. deep) on south side of harbor, and a few Salmon Trout are taken out every day.

Caribou have not begun to migrate here yet.

The missionary boat "Aklon" got as far East as Clifton Point, and went into winter quarters in little bay a few miles west of Point Clifton, where a house was built.

Nov. 9. (Tues.) The missionary Rev. H. C. Girling, came over here some time ago and is here now. He expects to establish a mission station here (Church of England) next year, as he considers this the most central point for reaching the Kolfhuin and Union Strait people.

The Alaska brought in a large bunch of mail, letters, newspapers, and magazines the first mail we have received since August, 1914.

New people who came in on Alaska. Mr. J. E. Hoff, shipped as engineer, vice D. W. Blue, who died at Baillie Island May 2nd. Capt. Sweeney's wife Eunice, married in April

Mike's wife (name "Sei") with two small children

Ambrose Aguvegat Herschel Island man with his wife Nuslunia, and little girl Annie.

Adam Kovaguat, young man from Herschel Island

Mungalunia - young man from Herschel Isl

Bernard Harbor, N.W.T.

Nov. 10 (Wed.) +6° at 9:00 a.m. Wind SE.

Several Eskimos arrived, of the local bunch that were around here last summer. They are living now near mouth of the Fishing Creek a few miles East of here.

Barren Ground Bear - Akeeitah brought in a male skin with skull. Killed near Stapylton Bay in September, 1915, shortly before the freeze-up. Paid him the reward promised last spring - 5 boxes .44's and a Nelson Rifle.

*546. ♂ Ursus arctos richardsoni

*547. ♂ " " "

Specimen from Cattigi, killed some distance inland from Bernard Harbor, in Summer, 1915, sometime in latter part of July or August. Presume

Caribou - several seen on Chantry Island in afternoon. Several men rolled out. One Caribou was wounded and followed up and killed by Ambrose.

Bernard Harbor, N.W.T.

Nov. 10 (Wed). Mr. D. Jenness returned from Victoria Island Nov. 8th, accompanied by his old man Ikpukhuaq. He did not get as far as Prince Albert Sound, but spent the summer with a band of Eskimos mostly in the Colville Hills on the Wollaston Peninsula. Our two families of Prince Albert Sound people came over there in the spring however. They did not see large numbers of Caribou during the summer, but had enough meat and fish. The most uncomfortable thing was the lack of fuel almost everywhere. Jenness himself shot about 70 Caribou with Ross .280, and the natives got a number with .44 and .22. One of the young men killed about twenty Caribou with .22 long repeater, once killing two at one shot.

Arctic Hare - Victoria Island. March 2. 1915.
♂ 2.610 mm. Ht. 290 mm. measured but not preserved
♂ 550 mm Ht 300 mm

260.

Bernard Harbor, N.W.T.

Nov. 10.
(Wed.).

Nov. 11. (Thurs.) Clear Calm in evening.
Reading mail all day.
Caribou — three seen near Chantry Island, and three more a little later, coming in from the ice. Three Caribou killed today by Ambrose. A herd of about twenty seen on the land today by Ikey.

Bernard Harbor. N.W.T.

Nov. 12. (Fri.). Clear. Rather cold. Light north-Easterly wind.

Rev. Mr. H.C. Girling and his Point Barrow Eskimo Panchuna started for home today. His little gasoline vessel "Atkoi" (Eskimo word for a blazing light) is a little bay west of Clifton Point. Mr. Girling got a few small items for the trip. He expects to be back here in January and spend most of the winter with the natives on the Liston and Sutton Islands. He has been studying linguistics and ethnology with Mr. Jenness, and intends to spend most of this year studying the language and customs, before attempting to do much in the line of religious instruction among the people.

Rock Ptarmigan - Akpaliak brought over three males in the morning, shot with 4 rifle. He had intended to go west with Mr. Girling but backed out.

Bernard Harbor, N.W.T.

Nov. 12. (Fri.). Caribou

Saw a herd of about ten coming south across the ice, after crossing Chantry Island. Several of us went to head them off, but they seemed to become alarmed by seeing Eskimos near mouth of Fishing Creek, and swung off to South East. We heard some firing over there.

Ambrose, Kwalina and Stey started across to Victoria Island to bring back the Jenness' specimens and deer meat.

Nov. 13. (Sat.). Clear. Light SE wind. Cold.

Set up 6'x8' pyramidal wall tent and moved my chests and box into it, in order to get a little room for storing things.

Caribou - about ten seen crossing from Chantry Island to the mainland

Bernard Harbor, N.W.T.

Nov. 14. (Sun.). Clear in forenoon. Light SE wind. —8° at 8:00 a.m. Slightly cloudy in afternoon. Warmer.

Caribou several seen near East of here. Mr. J.P. Cox went West to the second point and shot two Caribou, one old bull and one young bull. He saw seven on the flat.

Notes from D. Jenness:

Ducks (Old-squaw), Hutchins' Geese and Kakisauk (Red throated Loon) appeared for the first time, all together, June 9th, 1915. in Colville Hills, Victoria Island.

Eggs in one of the Geese. Small pools of water just forming, and small patches of land visible. Top of ridges bare. Temperature at night uniformly below freezing. Weather fine by day. Frequent snowstorms in June 10th-11-12 and 13th. First buds of spruce May 20th 1915. First Swan Bunting.

Nov. 14. (Sun.) ~~Black bellied Plover~~ ~~Ruddy Turnstone~~ (Kealiaun) - first seen June 6th 1915. Colville Hills, Victoria Land. D. Jenness.

Mr. Jenness collected a few skins of birds in Victoria Island.

Nov. 15. (Mon.) Clear. Light NE wind cold.

Corporal Bruce went out to the Eastward to look for Caribou - He saw some, but several Eskimo sleds coming along the coast from the East (the Coppermine River crowd) scared away the Caribou.

Chipman, Cox, and Sullivan went out hunting to the westward.

Eskimos arrived and put up snow houses on the beach. I made them get clear of the house to avoid starting snowdrifts right in front of our door.

Caribou - the Eskimos report seeing many.

Bernard Harbor, N.W.T.

Nov. 5. (Mon.) Seals – Kokoktok reports that he harpooned one Ugyuk (Bearded Seal) and two small Seals near Point Lockyer.

Issued to Kokoktok (Employed)
5 boxes .44 Cartridges.
1 double bar lead
2 ½ lbs Black powder.
100 ♯ 1 primers.

Issued the same to Kuppa.

Barren Ground Bear – a medium sized Brown bear received from Kokoktok, with skull. Shot near Rae River, in August, 1915, by Kokoktok.

♯3148. ♂ Ursus arctos richardsoni.

Wolf – A large wolf; frozen and unskinned was brought by Kokoktok. Shot on Rae River by Kokoktok, in October, 1915.

♯560. ♂ Canis sp. Weight 75 lbs.
L. 1570 mm. T. 385. H.F. 281
Depth Chest 340. Height at Withers 770. Girth Chest 770.

Nov. 15 (Mon.) Color of wolf tawny gray with hairs black-tipped on back — what the Western Eskimos call a "good" wolf skin.

Caribou — Mr Sullivan, the cook, went out about two miles to SW and saw a bunch of Caribou which had just come in from the ice. He shot seven with Ross .280, disemboweled them and came home. He saw fifteen more Caribou to the southwest.

Mr. Cox shot three today, and Murfa two (the latter just a little outside of harbor entrance. Light N.W. wind afternoon. Calm in evening — 1° at 5.00 p.m. Aurora borealis.

Mr. Chipman and I went out with Sullivan again, and measured and skinned the seven Caribou which Sullivan had killed, for specimens.

I. ♂ 549. ♂ L. 1985. T. 165. H ♂ 435. D-Chest 465. Height Shoulder 965. (the largest bull.

Bernard Harbor, N.W.T.

Nov. 15 (Mon.). 550 (III) ♀ (ca. 1 yr. gray, with narrow dorsal stripe.

551. III. ♂ Small light fawn nearly white with spike antlers.

552 IV. ♀. Cow. Back plain gray. Rt. antler 3-pronged, left 2-pronged.

553. ♂ Fawn small. Browner than II. Spike horns, the left longer.

554. ♀ Cow. Only one horn, and blind in one eye on same side.

555. ♀ Cow. Slender antlers, 5 spikes.

	Length MM.	Tail MM.	Hind foot MM	Depth Chest MM	Height at Shoulder MM	
* 549	1985	165	435	465	965	♂ ad.
* 550	1510	115	463	420	870	♀ ½
* 551	1350	105	425	370	780	♂ jr.
* 552	1655	145	485	430	885	♀ ad.
* 553	1550	125	460	380	750	♂ jr.
* 554	1845	115	465	430	890	♀ ad.
* 555	1770	112.5	485	440	910	♀ ad.

* 556. ♂ ad. 1970 – 150 – 520. Killed by J. R. Cox.

Bernard Harbor, N.W.T.

Nov. 16 (Tues.) Clear, calm day. Wed.

As two of our sleds are gone to Victoria Island, and Mr. Cox went out after his deer with another sled, I got one of the Eskimos named Amigailuk to take his sled and go out with me after caribou skinned yesterday. Saw Chipman, Patsy and Adams hunting on hills about a mile south of us. They began shooting at a small bunch and we soon started our way and I went up over hill and shot it as it came up the hill, and dragged it over to the sled. It was darker colored than III no. 551.

#557. ♀ juv. Rangifer arcticus

L.	Tail	H.F.	D.C.	Height
1540	115	470	415	870

Took the eight caribou home on one sled, a pretty heavy load. Gave the old man the intestines etc., which had considerable fat in them, also one carcass. He is coming back for the entrails.

Bernard Harbor, N.W.T.

Nov. 16. (Tues.) Adam and Patsy shot four Caribou today. Corporal W.V. Bruce shot one. His measurements were. ♂ 558 young. Nose to tip of tail bone 1800 mm. Base of tail to end of longest hair 200 mm. Center of shoulder to end of fore leg 1200 mm. Height of rump to end of hind leg 1100.

Chipmunk shed one

Snow Bunting - The Victoria Island Eskimos interpret the song of the Snow Bunting (Plectrophenax nivalis) as follows "Pihiksiitatin" = "You have no bow". (D. Jenness.

Several more natives came up from Coppermine River region today.

Bernard Harbor, N. W. T.

Nov. 17. (Wed.) Clear. Calm. -27° at 8:00 a.m. -28° at 5:00 p.m.

Received from Ulukpook - 1 stm. bag (about 150 lbs. deer fat.), 6 slabs back fat. Eight Caribou skins, to be made up into sleeping bags, Ulukpook's wives to do the sewing. Issued him 4 boxes .44 Cartridges 2 boxes .30-30 Cartridges

To Kilaulett - one enamel plate.

To Kuffa - 1 ten-lb. box Heavy Prov. 559. 5 Grs. 2 pail forks.

Black-throated loon. Got a frozen specimen from Aoi-kunna (called the "weasel" by us because he has many weasel skins hung on his coat. The bird was shot in October 1915, east of the mouth of Coppermine River after the sea was frozen over. He tried to sell it to me at the village, but I refused to buy it because one leg was missing. This time he had spliced a dried leg of yellow-billed loon on, and succeeded in putting it over on me.

Bernard Harbor, N.W.T.

Nov. 17. (Wed.) Caribou — Ambrose saw four, but shot none. Chipman and Cox saw some. Caribou while they were out to haul in meat, but their dogs ran away with empty sled and chased & wounded Caribou for a long distance & and caught Caribou.

Issued to Mualuni: 4 Reindeer skins for Bruce's parka, 2 for Bruce's pants. 4 Reindeer skins & "Sis" for Mr. Hoff's Parka.

Nov. 18. (Thurs.) Clear. Calm. −23° at 8:00 a.m. Four sleds came in from the Eastward. Had stern hole cut around Solar. Alaska. Light SE breeze at 3:00 p.m.

Specimens from D. Jenness. Black-bellied Plover. "Kealiaw" # 566. ♂ Squatarola squatarola. Latte Ang mallottok, Colville Hill, Victoria Island. June 6, 1915.

Bernard Harbor, N.W.T.

Nov. 17. (Wed.) Ruddy Turnstone - Tăl'ĭgvŭk.

562. ♂ Arenaria interpres morinella.
Lake Numichone. Colville Hills,
Victoria Island. June 5, 1915.

Hoyt's Horned Lark. Qopănoaqparjuk

563. ♂ Otocoris alpestris hoyti.
Lake Numixoni. Colville Hills,
Victoria Island. June 10, 1915.

564. ♂ do. same place. June 16, 1915.
" Qopanoaq. " (Eskimo name).

Lapland Longspur. "Nahaulik." Nahaudlin.

565. ♂ Calcarius lapponicus lapponicus

566. Putorius sp. October, 1914
Bernard Harbor, J.J. O'Neill
Received from Komungyok.

567. Putorius sp. J.J.O'N.

568. Ten skins of Spermophile.
(Citellus parryi) From mouth of
Coppermine River. Summer, 1915.
From Ihumatag.

Bernard Harbor, N.W.T.

Nov. 19. (Fri.) Clear a.m. Fairly stroay SE wind. -12° at 8:00 a.m.

The place is fairly overrun with Eskimos. They have nothing to do but stand around, and have little to trade. Dancing, singing and drumming goes on a good part of the time in one of the larger houses. We keep the Eskimos out of the house except occasionally one or two at a time. In the evening all but two or three (who are forbidden the house because of aggravated thefts from us before) are allowed to come into the large room (the kitchen) and hear a Graphophone concert, also visit with our western Eskimos, whom they call Ualliirmiit.

Bought from Ulukrook for Skey, one wolfskin for 1 box .30-30's.

The boys picked up a Caribou fawn dead nearly white. Horns ca. 2 in long. #582 ♀ Skull. Hair slipped from abdomen when skinned

Bernard Harbor, N.W.T.

Nov. 20. (Sat.). Cloudy. Light SE wind. +14° at 8:00 a.m. SW wind in evening. Colder.

Issued to Sis (Mike's wife):
2 pr. stockings, 1 calico dress.
2 childs undershirts, 1 boys coat,
2 boys pants.

To Unalina – 2 pr. stockings.
2 childs undershirts.

Received from Manigyorama 2 pairs sealskin slippers and one fawnskin shirt. Issued one calico dress and 1 pr. to Manigyorama, and the same to Kilaukuk (Mukpa's wife) for work done.

Coll. No.	Sex	Species.	Locality.	Date
509.	♀	Anthus rubescens	Cape Barrow, Coronation Gulf.	Aug. 13, 1915
510.	♂	Lepus arcticus canus	Port Epworth. "	" 11, "
511.	♀	" " "	Cape Barrow, "	" 14. "
512.	♂	" " "	" " "	" " "
513.	♀	Calcarius L. lapponicus	" " "	" " "
514.	♀	" " "	" " "	" " "
515.	♂	Plectrophenax nivalis	" " "	" " "
516.	♀	Lepus arcticus canus	" " "	" " "
517.	♀	Aegialitis semipalmata.	Detention Harbour. "	" 16. "
518.	♀	" "	" " "	" " "
519.	♀	Harelda hiemalis	" " "	" " "
520.				
521.	♀	Anthus rubescens	Moore Bay, Coron. Gulf	Aug. 19, 191
522.	♂	Lagopus r. rupestris	" " " "	" " "
523.	♂	" " "	" " " "	" " "
524.	♂	Gulo luscus ad.	" " " "	" " "
525.	♂	Larus argentatus ad.	Kater Point, " "	" 20. "
526.	♂	" "	" " " "	" " "
527.	♂	Rangifer arcticus ad.	" " " "	" "
528.	♀	Spizella m. monticola	Hood River, Arctic Sound.	" 29, "
529.	♀	Acanthis sp	" " "	" " "
530.	♂	Rangifer arcticus ad.	" " "	" " "

Coll. No.	Sex.	Species.	Locality.	Date.
531.	♂	Ursus arctos richardsoni	Arctic Sound, Coron. Gulf.	Aug. 28. 1915
532.	♀	Lepus arcticus canus	Bathurst Inlet. " "	Sept. 1, "
533.	♂	Rangifer arcticus ad.	Kannoyuk Isl. Bathurst Inlet.	" 3. "
534.	?	Ereunetes pusillus	" " " "	" 5. "
535.	♂	Lagopus l. rupestris	Bathurst Inlet, Coron. G.	" 6. "
536.	♀	" " "	" " " "	" " "
537.	♂	Putorius sp.	Barry Isl. Bathurst Inlet	" 8. "
538.	♂	Gulo luscus	" " " "	" 9. "
539.	♀	Lepus arcticus canus	Cape Barrow, Coron. Gulf.	Sept. 26. 1915
540.	♂	" " "	Gray's Bay. " "	" 28. "
541.	♂	" " "	" " " "	" 30. "
542.	♂	Junco hyemalis	Tree River. " "	Oct. 11, "
543.	♂	Passerculus Lataudinus sandwichensis	" " " "	" 15. "
544.	♀	Gulo luscus jur.	" " " "	Summer. "
545.	♂	" " ad.	" "	" "
546.	♂	Ursus arctos richardsoni	Stapylton Bay, N.W.T. (from Akuliatak)	Sept. 1915.
547.	♂	" " "	Bernard Harbor, N.W.T. (from Attigi.	Summer. "
548.	♂	" " "	Rae River, Coron. Gulf. (from Kokotton.	August "
549.	♂	Rangifer arcticus ad.	Bernard Harbor. N.W.T.	Nov. 15. "
550.	♀	" 2yr.	" " "	" " "
551.	♂	" jur.	" " "	" " "
552	♀	" ad.	" " "	" " "

Coll. No.	Sex.	Species.	Locality	Date
553.	♂	Rangifer arcticus jur.	Bernard Harbor, N.W.T.	Nov. 15. 1915
554.	♀	" " ad.	" " "	" " "
555.	♀	" "	" " "	" " "
556.	♂	" " ad.	" " "	" " "
557.	♀	" " jur.	" " "	" 16 "
558.	♂	" " "	" " "	" " "
559.	♂	Gavia arctica (pacifica).	Mouth of Coppermine R. "	Oct. 1915
560.	♂	Canis griseus	Rae River, Coron. Gulf.	" "
561.	♂	Squatarola squatarola D.J.	Colville Hills, Victoria Island	June 6, "
562.	♂	Arenaria interpres morinella D.J.	" " " "	" 5. "
563.	♂	Otocoris alpestris hoyti D.J.	" " " "	" 10. "
564.	♂	" " D.J.	" " " "	" 16. "
565.	♂	Calcarius l. lapponicus D.J	" " " "	" 12. "
566.	?	Pitorius sp. J.J. O'N.	Bernard Harbor, N.W.T.	Oct. 1914.
567.	?	" " "	" " "	" "
568.	♀	Vulpes lagopus innuitus P.K.	" " "	Nov. 10. 191
569.	♀	" " " P.K.	" " "	" 12. "
570.	♀	" " " P.K.	" " "	" 14. "
571.	♂	Histrionicus histrionicus "L. Joe"	Firth River, Yukon Terr.	Summer. "
572.	♂	Colymbus auritus "L. Joe."	" " " "	" "
573.	♂	Oidemia deglandi D. Sweeney	Cape Bathurst, N.W.T.	May. "
574.	?	Nyctea nyctea. "L. Joe"	Numaluk, Yukon Terr.	June. "

Coll. No.	Sex.	Species.	Locality.	Date
575.	♂	Corvus corax principalis	Bernard Harbor. N.W.T.	Aug. 1915
576.	?	Pisobia sp.	" " "	" "
577.	♂	Citellus parryi	" " "	Sept. 2. "
578.	♂	~~Spermophilus~~ Somateria spectabilis jov.	" " "	Aug 27. "
579.	♀	Gavia stellata jov.	" " "	" " "
580.	♂	Vulpes alascensis	" " "	Oct. 19. "
581.	♀	Lepus arcticus canus	" " "	" 7. "
582.	♂	Vulpes lagopus innuitus	" " "	Aug. 13. "
583.	?	" " " jov.	" " "	Fall. "
584.	♂	" " "	" " "	Nov. 7. "
585.	♀	" " "	" " "	Nov. 4. "
586.	♀	" " " (skull)	" " "	" " "
587.	?	Citellus parryi. (skull)	" " "	Nov. "
588.	?	Vulpes lagopus innuitus	" " "	Summer. "
589.	♀	Vulpes alascensis	Port Epworth, Coron. Gulf.	Nov. 1915
590.	♂	" "	" " " "	" "
591.	♀	Gulo luscus ad.	" " " "	" "
592.	♀	" " "	" " " "	" "
593.	♀	" " "	" " " "	" "
594.	♀	" " "	" " " "	" "
595.	♂	" " "	" " " "	" "
596.	♀	Rangifer arcticus ad.	" " " "	Oct. "

Coll. No.	Sex.	Species.	Locality.	Date.
597.	♀	Rangifer arcticus juv.	Tree River, Coron. Gulf.	Mounted Oct. 5, 1915.
598	♂	Lutreola sp.	Mackenzie Delta, N.W.T.	Winter 1914-15.
599.	♀	Vulpes alascensis	Port Epworth, Coron. Gulf.	Nov. 1915.
600.	♂	Vulpes lagopus innuitus	" " " "	" "
601.	♂	" " "	" " " "	" "
602.	♀	" " "	" " " "	" "
603.	♂	" "	" " " "	" "
604.	♀	" " "	Bernard Harbour " "	Dec. 18. "
605.	♂	" " "	" " " "	" " "
606.	♂	" " "	" " " "	" " "
607.	♀	Somateria V-nigra	Inman Harbour. " "	Sept. 28. "
608.	♀	" "	" " " "	" " "
609.	♀	" "	" " " "	" " "
610.	♂	Vulpes lagopus innuitus	S. Victoria Island. Simpson Bay,	Oct-Nov. 1915.
611.	♂	Vulpes alascensis (Cross).	S. Arctic Sound.	Fall, 1915.
612.	♂	Ovibos moschatus ad.	Haningajok, " "	" "
613.	♂	" " ad.	" " "	" "
614.	♀	" " juv.	" " "	Summer. "
615.	♀	" " unborn Calf.	" " "	Early Spring "
616.	♂	Gulo luscus ad	" " "	Fall. "
617.	♀	Ursus a. richardsoni juv.	" " "	Summer "
618.	♀	" " "	ad- " "	Early Spring "

Distances – scaled on Chart by A.G. Chipman

	Straight line	Estimated.
Kater Point to Cape Barrow-	35 mi.	40
Cape Barrow .. Port Epworth.	40 "	50.
Port Epworth to Coppermine River-	72 "	85
Coppermine River to Cape Hearne.	67 "	80
Cape Hearne to Cape Krusenstern	50 "	
Coppermine to Cape Krusenstern	42 "	50
Cape Krusenstern to Bernard Harbor	40	

From Kater Point via Coppermine River, to Bernard Harbor – 265 mi

direct to Cape Krusenstern, – 180 mi

Names of Mammals (Coronation Gulf Eskimo).

Citellus parryi – Hig'sig Caribou – Tūktuq.
Vulpes lagopus innuitus – Teriganiog Muskox – Umingmuk.
Red Fox – Kaiyuktox. Cross Fox – Kainoktok.
Lemming – Ovinyaq Ermine – Tiriaq.
Polar Bear – Nannuk. Hare – Ukulliq.
Barren Ground Bear – Aktshak. Whale – Aguveq.
Common Seal – Natsiq. Bearded Seal – Ugyuk.
Caribou (bull) pungnaik; (cow) Kullavuk.

Birds:
Swan – Koyyuk.
Gull – Nauyak.
Slate-colored Junco = Annariho pūpiok.
Savannah Sparrow = Hik'kinirktā yuk
Redpoll (Acanthis sp) = Hak-hag'iaq).
Lapland Longspur – Nahaulik.

Names of Fishes (Coppermine River and Coronation Gulf Eskimos)

Whitefish = Kapahī'lik. (Leucichthys lucidus)
Hump-back, Crooked-back = Kringā'lik. (Argyrosomus
Salmon Trout = Ekallukpik (Salvelinus malma)
Sculpin = Kanaiyuk (Cottus quadricornis)
Sculpin, Spotted = Tivākirk (" scorpius)
Polar Cod = Ōgak.
Lake Trout = Hiūktuk (Cristivomer namaycush)
Loche = Titallirk (Lota maculosa)
Starry Flounder = Natagnök (Platichthys stellatus)
Pike = Hiū'lik. (from Inuaernurk, near Esox lucius)
Dumūl Lake, by Hikto).
Arctic Grayling = Hūlūk pauwak. (Thymallus signifer)

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